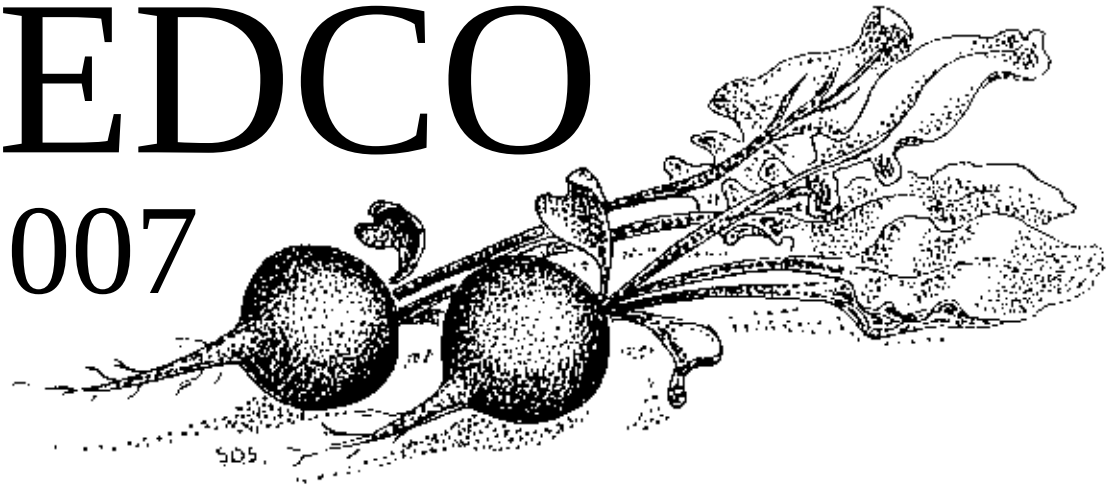
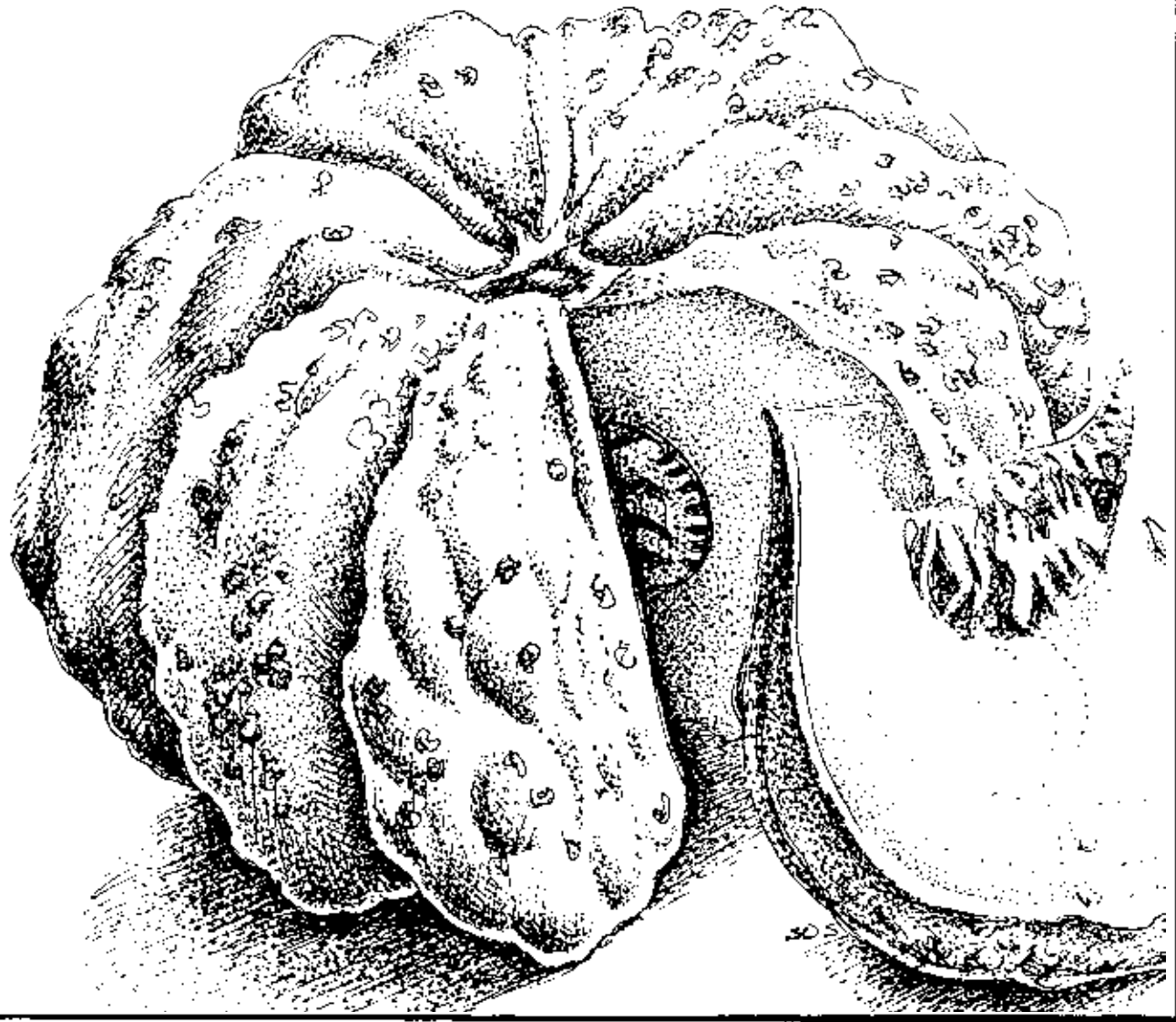
# FEDCO

2007





## Ordering information

| | Goods offered | Descriptions begin | Order form | Discount deadline | Ordering deadline | Shipments |
|---|---|---|---|---|---|---|
| **Seeds** | vegetables, flowers, & herbs | page 11 | page 70A | none | mail & fax: Mar. 23<br>online only: Aug. 31 | January 8–April<br>January 8–Sept. |
| **Moose Tubers** | seed potatoes, onion sets | page 99 | page 70C | February 23 | March 16 | early April–early May |
| **Organic Growers Supply** | soil amendments, cover crops, tools, supplies & books | page 108 | page 70E | none | none | year-round |

Our FEDCO TREES catalog, available in October, lists fruit trees, berry bushes, ornamentals, perennials and tender bulbs.
Our FEDCO BULBS catalog, available in June, lists fall-planted flowerbulbs and garlic.

## Full Index on Back Cover

## A Fedco Primer for New Friends and Old

Fedco has four divisions: Seeds, Moose Tubers and Organic Growers Supply, Trees, and Bulbs, and sends out three catalogs annually. We work out of two warehouses on the Upper Bellsqueeze Road in Clinton. Our business office is in nearby Waterville. We do not have a retail store. We deal exclusively by mail, fax and internet orders except during designated pickup and public sale days, our annual excursion to the Common Ground Country Fair, and periodic visits to other special events.

In our part of the world frosts can occur nine months of the year and the ground remains frozen for about five months from late November until mid-April.

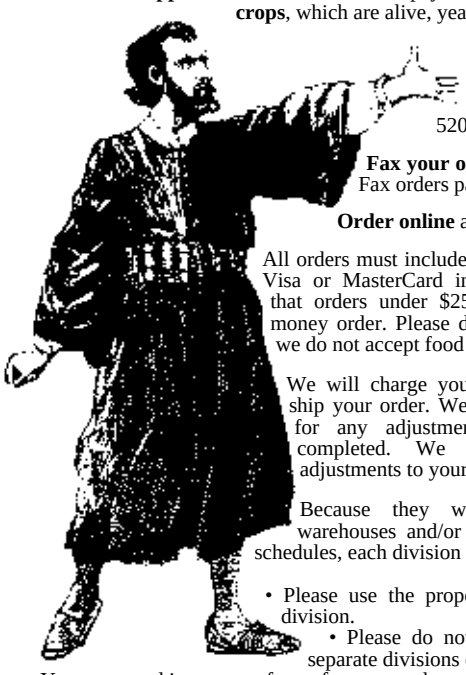
**Trees** are alive, highly perishable, must be kept cool and wet and cannot freeze. We ship trees and perennial plants only in the spring.

**Fall bulbs** and garlic are alive, perishable, need to be kept cool but cannot freeze. We ship only in fall just before planting time.

**Seed potatoes** and onion sets are alive, perishable, must be kept cool but cannot freeze. We ship only in April and May**.**

**Seeds** are alive, dormant, must be kept cool and dry, may freeze if kept dry. We ship peak season orders in winter/early spring. From April-Sept. we ship internet orders only.

**Books and supplies** are not alive. We ship year-round. We ship **cover crops**, which are alive, year-round when available.



## How to Order

**Mail** your order to Fedco Seeds, PO Box 520, Waterville, ME 04903.

**Fax your order** to (207) 872-8317. Fax orders pay a $2 handling charge.

**Order online** at www.fedcoseeds.com.

All orders must include check, money order, or Visa or MasterCard information. We request that orders under $25 pay with a check or money order. Please do not send cash. Sorry, we do not accept food stamps.

We will charge your credit card when we ship your order. We will bill or refund you for any adjustments as each order is completed. We do not charge the adjustments to your credit card.

Because they work out of separate warehouses and/or have separate shipping schedules, each division has its own order form.

- Please use the proper order form for each division.
- Please do not mix orders from separate divisions on one form.
- You may send in separate forms from more than one division at the same time and pay with one check. Figure totals for each division on the proper form, then add division totals to figure your grand total.

## How Not to Order

- Sorry, we do not accept telephone orders.
- Sorry, we do not have a rush order service.
- You may not combine orders from different divisions to qualify for discounts or to avoid small-order handling charge.
- We will return the following orders unfilled: illegible orders, orders without payment, certain orders on maverick computer-generated forms. We will mail you the proper order form so you can try again.

## Fedco Facilitation Phone: (207) 873-7333

- Regular hours: Jan.-April, Mon-Fri, 9am-5pm. We are available at irregular hours the rest of the year. If you don't get a live person, please leave a message. Use this line to:
  - Request more catalogs or order forms.
  - Get answers to ordering questions.
  - Receive freight quotes and prices for bulk quantities.
  - Get your cultural questions answered.
  - Track your order.
  - Resolve problems.

We ask your cooperation in helping us hold prices down by avoiding the following calls which add to our labor costs without offering you any benefits:

- Frozen spuds: We cannot ship potatoes until April because we do not have a potato storage facility. Our seed stock arrives at the end of March.
- Nervous Neds & Nellies: For seeds and supplies please allow at least 2-3 weeks after sending order before calling. For spuds, see above.
- Order corrections: For one or a few mistakes please mail or fax back the correction form on the back of your pick sheet instead of calling.
- Deadline dilemmas: At, around, or just past deadlines, please send in your order. We'll do the best we can. Please do not call.
- Way past deadlines: We take order deadlines seriously. Please remember the refrain of the old Brooklyn Dodger fans and "Wait till next year!"

## Visit our Website: www.fedcoseeds.com

- to order online.
- to download order forms.
- for up-to-date information on backorders and out-of-stocks for all divisions.
- to see color photographs of some of our cultivars (a work in progress).

## Faxing your Order

- Use our fax line: (207) 872-8317.
- Include a phone number where we can reach you. We will not call to confirm receipt of faxes, but if there's a problem, we'll let you know.
- Please use **our** order form or a **properly formatted** computerized form.
- Make sure your order is legible; faxes lose clarity in transmission.
- Never write over a number when faxing. Cross out and use a new line. Fax write-overs are illegible.
- Be sure to include your credit card number *and* expiration date.
- Please **total your order** even though you are using a credit card. Your totals help us check our data entry.
- **Please do not fax** us the **same order more than once** unless **we** call requesting a clearer copy. We don't want to fill your order twice.
- **Please do not mail a copy** after you fax your order.

Original art: John Bunker, Gene Frey.
Ian Jerolmack, Jennifer Jones,
Samantha Jones,Wendy Karush, Emily Langer,
Jocelyn Langer, Bria Sanborn, Sue Szwed,
Gabriel Willow
Seeds copy: CR Lawn
Seeds cultivar selection: Roberta Bailey,
Nikos Kavanya, CR Lawn
Moose Tubers copy: Nancy Reitze
OGS copy: David Shipman
Editor: Susan Kiralis
Layout: Gene Frey, Elizabeth Radliff,
Bria Sanborn

"This is the first time I've ordered on line—your website is AWESOME! Leave it to Fedco to make online ordering a pleasure."
—Lynn Allen, Union, ME

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"I made two attempts to order online, but it would not accept the price totals and would not allow me to check out."

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"On-line year-round ordering is a tremendous positive. We always end up needing substitutes or more of some seed varieties during the season."
—David Trumble, Weare, NH

# How to Order Seeds

- Order online or use our 2007 seed order form in the center, page 70A. **Please, no lists.**
- Order books and cover crop seed from Organic Growers Supply, see p. 4.

## New This Year

- We've added a few varieties suitable for warmer climates than ours.
- Orders still accepted most of the year but we've reduced off-peak order season by a few weeks: until Aug. 31 by internet only.

## Deadline

- Peak-season orders (by mail, fax & internet) accepted thru Fri. Mar. 23.
- Off-peak orders by internet only until Aug. 31 (limited selection, prices good till Aug. 31, 2007. 2008 catalog comes out in December.)

## Discounts

All discounts are figured from the adjusted total on your order sheet.

**Volume discounts**:

Orders over $100 deduct 10%
Orders over $200 deduct 15%
Orders over $300 deduct 20%
Orders over $600 deduct 22%
Orders over $1000 deduct 24%

Repeat orders over $50 qualify for the same volume discount as the first order, provided they are to be sent to the same address.

**Pickup discount** 5% on all pickup orders. (see Pickup for details).

**Organic grower discount**: Members of MOFGA, NOFA, PASA, CNG or a comparable organic growers organization receive a 1% discount. You need not be certified organic or a commercial farmer to take the discount, and you may join MOFGA or NOFA with your seed order. Please specify which organization/state chapter you are joining. See page 5, Resources, for dues.

## Handling Charges

- All seed orders under $25 add $4 handling charge. This charge applies regardless of how much you ordered from other divisions.
- Fax orders add $2 handling charge.

## Group orders See page 70.

## No Returns

- No returns or exchanges of seed. If you bought it, it's yours! See limited guarantee for defective products, only.

## Sales tax

Maine residents and anyone picking up orders in Maine pay 5% on **all** seed. Maine farms and retailers: Send us your state resale ID number.

**There is no sales tax on orders shipped outside of Maine**.

### Update on Maine's New Tax on Seeds

In June 2005, the Maine Legislature imposed a new 5% sales tax on seeds and soil amendments to home gardeners, without giving us or any of the other major stakeholders any advance notice or opportunity to testify against it. In response, we testified in favor of Representative John Piotti's 2006 legislation which would have removed the sales tax on home garden seed. Unfortunately, our efforts fell a bit short. On the same day that they gave a major tax break to big banks, and another to certain property owners renting their homes, the Joint Committee on Taxation rejected our much more modest proposal. We had renewed hope when the House overwhelmingly passed the measure despite the Committee's "ought not to pass" recommendation, but Senator Ethan K. Strimling (D-Portland) was instrumental in killing the bill, both in the Committee and in the Senate, where it ultimately died. Gardeners might want to remember his name if he is ever again on the ballot. With MOFGA's support, we will make another effort to repeal the tax in the 2007 Legislature.

## Delivery

### UPS/Priority Mail

- **Free shipping for seed orders over $25 (items 100-6499)** in the continental United States. AK, HI and APO/FPO add 15% of order total.
- We ship via UPS ground or USPS Priority Mail; our choice, based on weight.
- We pull and ship orders according to the date we receive them.
- If you'd like us to hold your order for a later shipping date, please attach a note to your order form.
- We will not ship **any** orders before Jan. 8.
- We ship orders as soon as possible, often within one week of receipt, always within two weeks.
- Missing your shipment? Allow three weeks from your mailing date, then call.

**PICKUP** Come to our warehouse in Clinton. See the map on page 4.

**Seeds and OGS pickup peak season** We will send confirmation postcards with directions and your order number when your order is ready to pick up (within 1-2 weeks of receipt of order). Pick up during regular warehouse hours, **Wednesdays and Fridays only** through April 27, 9:00-4:00. Sorry, no other weekdays or weekends, except Tree Sale.

**Tree Sale pickup** Friday & Saturday, Apr. 27-28 (preorder customers only), and May 4-5 (Public Tree Sale), 9:00-3:00 each day. Order by April 13.

**Seeds and OGS pickup off-peak season** After the Tree Sale, **Wednesdays only**, 2:00-5:00 pm.

**Backorders** are items not available at time of shipment which come in later. Our aim is to minimize them.

- Early orders receive the most backorders.
- We ship backorder items that need an early start ASAP after we receive them.
- We batch other backorder items to reduce our shipping costs.
- Allow several weeks after receipt of your first shipment for direct-seeded backorder items.
- Orders received after Mar. 9 will be filled from available remaining stock. No backorders.
- We will ship all backorders by Mar. 23. Please call if you are still missing any backorders or have not received a refund by Apr. 6.
- We will enclose REFUNDS with your final shipment. We enclose INVOICES with first shipment.

## Bulk Orders

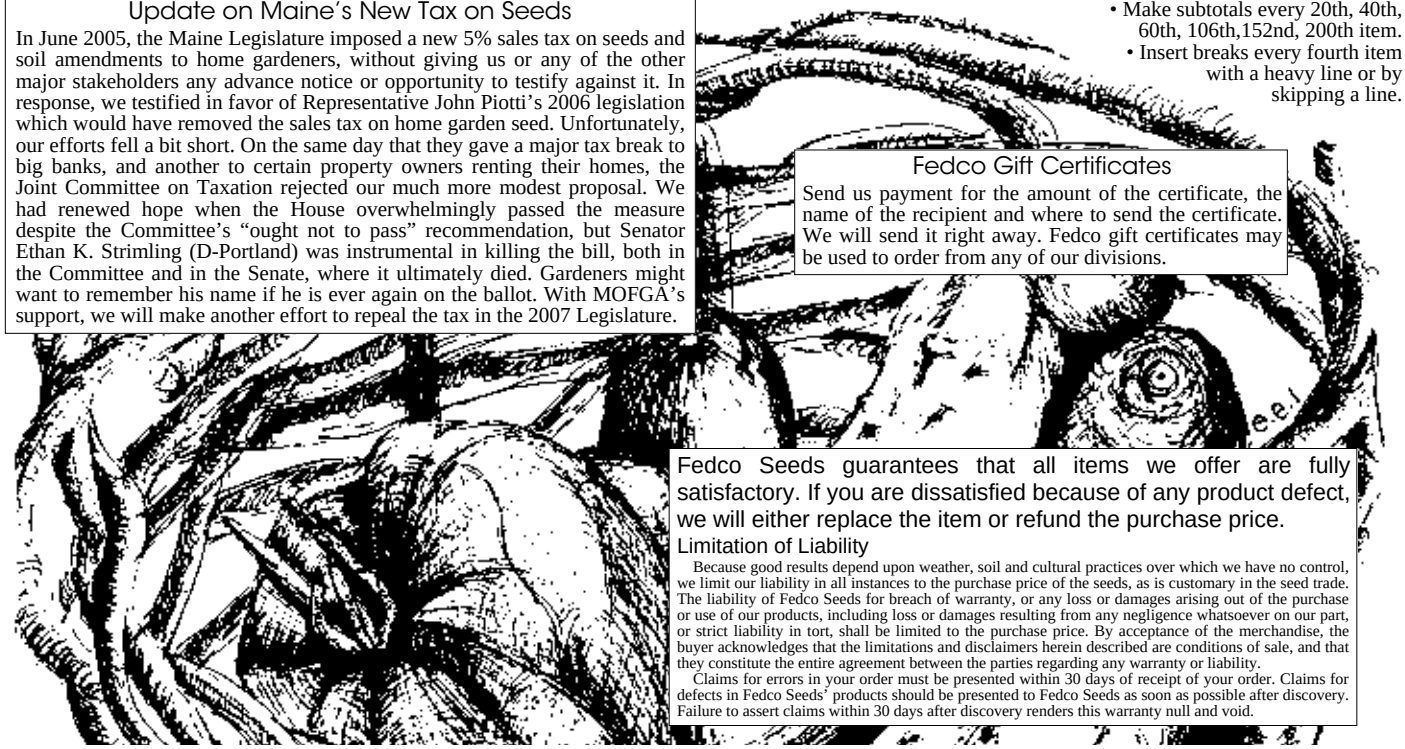
- To order quantities of four or more times the largest size listed here please call for availability and price quote. Use a line on the order form for each quoted deal.

We accept **Computer-Generated Order Forms** that *follow the exact format* of our order form.

- Place columns in the same order with the same information.
- Eliminate or move to the right added information, such as item name.
- Make subtotals every 20th, 40th, 60th, 106th,152nd, 200th item.
- Insert breaks every fourth item with a heavy line or by skipping a line.

### Fedco Gift Certificates

Send us payment for the amount of the certificate, the name of the recipient and where to send the certificate. We will send it right away. Fedco gift certificates may be used to order from any of our divisions.



Fedco Seeds guarantees that all items we offer are fully satisfactory. If you are dissatisfied because of any product defect, we will either replace the item or refund the purchase price.

Limitation of Liability

Because good results depend upon weather, soil and cultural practices over which we have no control, we limit our liability in all instances to the purchase price of the seeds, as is customary in the seed trade. The liability of Fedco Seeds for breach of warranty, or any loss or damages arising out of the purchase or use of our products, including loss or damages resulting from any negligence whatsoever on our part, or strict liability in tort, shall be limited to the purchase price. By acceptance of the merchandise, the buyer acknowledges that the limitations and disclaimers herein described are conditions of sale, and that they constitute the entire agreement between the parties regarding any warranty or liability.

Claims for errors in your order must be presented within 30 days of receipt of your order. Claims for defects in Fedco Seeds' products should be presented to Fedco Seeds as soon as possible after discovery. Failure to assert claims within 30 days after discovery renders this warranty null and void.

# How To Order Seed Potatoes from Moose Tubers

• For mail or fax orders please use the order blank in the center of the catalog on page 70C.
• Variety descriptions begin on page 99.

Order online at **www.fedcoseeds.com**.

## Moose Tubers Deadlines

Orders **received** by: qualify for:
Feb 23 Volume discounts & best selection
March 16 Final orders for the season, potato supply limited

## Moose Tubers Discounts

• We must receive your order by February 23.
• Figure your discount from your order total **before** shipping.
Orders over $100 deduct 5%
Orders over $200 deduct 10%
Orders over $400 deduct 15%
Orders over $850 deduct 20%

For amounts over 1000 lbs, please call or write for our bulk price list.

## Moose Tubers Shipping

• **We begin shipping Moose Tubers orders in early April.**
We cannot ship before that; please do not ask us to do so.
• We will ship orders received by February 23 by April 13.
• We ship sunchokes separately in early May.

# To Order Supplies & Cover Crops Organic Growers Supply

• For mail or fax orders please use the order blank in the center of the catalog on page 70E.
• Order by April 20 for pickup at the Tree Sale.
• There is no final order deadline for OGS. After the Tree Sale, the OGS warehouse will be open Wednesdays from 2-5 pm for pickups and walk-in customers.
• Introduction on page 108, descriptions begin on page 110.

## OGS Discounts

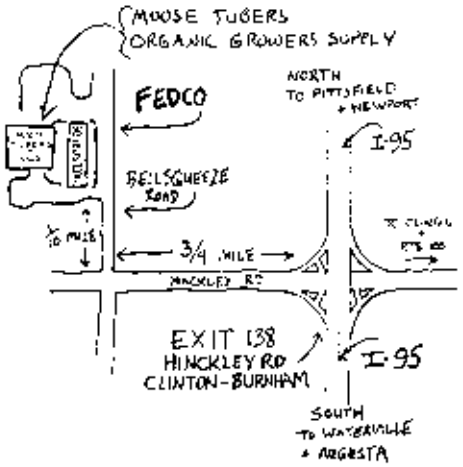
• There is no deadline for discounts.
• Figure discounts from your total **before** adding shipping charges.
Orders over $100 deduct 5%
Orders over $200 deduct 10%
Orders over $600 deduct 15%
Orders over $1200 deduct 20%
Orders over $2500 call for a quote.

## OGS Shipping

• **We begin daily shipping of Organic Growers Supply orders on Jan. 17.**
From mid-May to mid-January we ship once a week, usually Weds.
• Generally we will ship your order within one week; however, we will not ship orders received after March 16 before April 6.
• Prices subject to change without notice. 2008 prices go into effect in November 2007.

**Sales tax**: Maine residents and pickup customers only! All items are taxable. No tax on orders shipped out of state. Maine farmers: Please send us a copy of your state resale certificate or farm exemption. Otherwise we must charge sales tax.

• Contact us if you need more order forms or download them from the web: **www.fedcoseeds.com**.
• Be sure to include shipping charges (see chart below).
• **Groups** mail us all the individual orders from your group along with one payment and one order form as a cover sheet for group totals and shipping address. We will ship individually packaged orders *to one address*. Group gets volume discount and shipping rates based on the combined total. We recommend making copies of orders before sending them.




## Shipping

• We ship via **UPS** ground or USPS **Priority Mail**; our choice, based on weight.
• Prices do not include shipping. Use the chart below to figure shipping costs.
• We ship all orders to **Alaska** and **Hawaii** by **Priority Mail**.
• We do not use parcel post for shipping. If UPS can't find your house, please arrange delivery to your workplace or a neighbor. Or have your order shipped **Priority Mail**; use the rates for AK and HI.

### Common Carrier

• In New England, we have a flat rate for pallets weighing up to 2000 lbs. ME, $56; NH & VT, $82; MA & RI, $90; CT, $97; NY (zip codes beginning with 105-109, 120-149) $97. For home or school deliveries, add $40 per pallet.
• For delivery to other states: If your shipment weighs more than 1000#, call us with the estimated weight and the destination zip code. We will check with trucking companies and quote you a price. In some instances UPS will be cheaper. Include a phone number where you can be reached during the day with your order.

### Pickup

**OGS orders** We will send a postcard (usually within 2 weeks of receiving your order) with directions and your order number when your order is ready to pick up. You may come **Wednesdays or Fridays** 9:00-4:00. If your order is over 500 lbs, please call the day before you plan to come or be prepared to wait.

**Moose Tubers orders** are available for pickup after April 9, see OGS orders above for details.

**or pick up your order at the Tree Sale** Fri and Sat, April 27-28, from 9:00-3:00 reserved for customers with preorders. Public Tree Sale days are Fri and Sat, May 4-5. We will send a postcard with directions and your order number.

• We do **not** ship to **Canada**, and will not provide materials required for importation permits.

| If your order weighs ☞ / And your zip code begins with: | 0-2 lbs. | up to 5 lbs. | up to 10 lbs. | up to 15 lbs. | up to 20 lbs. | up to 25 lbs. | up to 30 lbs. | up to 35 lbs. | up to 40 lbs. | over 40 lbs. | over 200 lbs. | over 500 lbs. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 030-059 | $4.20 | $8.10 | $8.90 | $9.70 | $10.15 | $10.95 | $11.80 | $11.50 | $13.50 | 35¢/lb | 20¢/lb | 15¢/lb |
| 010-029, 060-069, 119-136 | $4.20 | $8.35 | $9.00 | $10.00 | $10.95 | $12.05 | $13.05 | $14.10 | $15.15 | 38¢/lb | 25¢/lb | 20¢/lb |
| 070-089, 100-118, 137-227 | $4.80 | $9.05 | $9.65 | $10.25 | $11.30 | $12.60 | $13.95 | $15.30 | $16.60 | 42¢/lb | 30¢/lb | 25¢/lb |
| 228-475 | $5.15 | $9.25 | $10.10 | $10.90 | $12.45 | $14.10 | $15.70 | $17.40 | $19.05 | 48¢/lb | 35¢/lb | 30¢/lb |
| 476-574 | $5.30 | $9.60 | $10.70 | $11.55 | $14.70 | $16.95 | $19.20 | $21.40 | $23.50 | 59¢/lb | 40¢/lb | 35¢/lb |
| others except AK and HI | $6.05 | $10.50 | $12.60 | $15.90 | $19.25 | $22.50 | $25.80 | $29.10 | $32.30 | 81¢/lb | 50¢/lb | 40¢/lb |
| AK & HI, Priority Mail | $6.05 | $12.80 | $20.25 | $29.30 | $38.35 | $47.40 | $56.45 | $65.50 | $74.55 | $1.85/lb | | |

For larger orders, consider Common Carrier. Up to 2000 lbs:
ME $56.00
NH & VT $82.00
MA & RI $90.00
CT $97.00
NY(except NYC) $97.00
For other locations call us at 207-873-7333 for more information.

# RESOURCES

## Seed Saving Organizations

**The Seed Savers Exchange**, 3094 N Winn Rd, Decorah, IA 52101, (563) 382-5990, www.seedsavers.org, founded by Kent and Diane Whealy, is a grassroots network of gardeners and plant collectors who maintain and distribute rare varieties of food crops. Their 2006 Yearbook listed 756 members who maintain a combined collection of over 12,100 different vegetable varieties. The SSE houses their collection of 25,000 varieties including 4100 tomatoes, 3500 beans, 1200 peppers, 950 peas at their 170-acre Heritage Farm. Annual membership is $35. **The Flower and Herb Exchange**, whose members maintain over 1000 varieties of heirloom herbs and flowers, is at the same address. Annual membership in FHE is $10.

**The Scatterseed Project**, Box 1167, Farmington, ME 04938, is a regional seed exchange for this area and curator for a substantial part of the SSE collection. They do not have a catalog; all varieties are available through SSE. Scatterseed maintains ~1060 varieties of peas and 650 of potatoes among its over 3000 plant varieties.

**Garden State Heirloom Seed Society**, c/o Joe Cavanaugh, PO Box 15, Delaware, NJ 07833, www.historyyoucaneat.org, is a seed savers organization in New Jersey with a seed exchange, a magazine and a catalog of over 1000 listings. Some members have marvelous tomato collections. Annual membership is $20.

**Seeds of Diversity Canada**, PO Box 36, Station Q, Toronto, ON M4T 2L7, Canada, (866) 509-7333, www.seeds.ca, is dedicated to the conservation, documentation and use of plants with Canadian significance. Publishes *Seeds of Diversity Magazine* plus a 1500-variety seed exchange directory. Annual membership $30; $25 for fixed income.

## Alternatives to Organic Certification

**Certified Naturally Grown (CNG)**, www.naturallygrown.org. is a grass roots certification program for organic farmers who seek an alternative to USDA organic certification. Apply online or contact Alice Varon, (877) 211-0308 or by email at info@naturallygrown.org.

**Participatory Guarantee Systems (PGS)** An international movement to decentralize and simplify certification so that it is available to small farms and poor farmers selling directly to consumers. Most PGS farms have an educational visit from a mixed group of fellow farmers & consumers rather than an inspection. The guarantee is connected with developing local markets and empowering farmers. Contact Elizabeth Henderson, ehendrsn@redsuspenders.com.

**The Farmer's Pledge** http://nofany.org/farmerspledge.htm, from NOFA-NY, to practice socially just, humane and ecologically sound farming.

## Useful Publications

**Growing for Market**, PO Box 3747, Lawrence, KS 66046, (800) 307-8949,www.growingformarket.com, published monthly, year's subscription is $33. Essential for market growers: what's hot, what's not, how to do it & what it'll cost.

**Small Farmer's Journal**, PO Box 1627, Sisters, OR 97759, (800) 876-2893, www.smallfarmersjournal.com, published quarterly, $35 for a year's subscription, 2 years for $65, 3 for $90. Antithesis of superficial gardening magazines, aimed at serious horse farmers but will appeal to anyone seeking iconoclastic political observations, in-depth treatments of rural economics and NAIS updates.

**The Community Farm**, 3480 Potter Rd, Bear Lake, MI 49614, (231) 889-3216, tcf.itgo.com. Published quarterly, year's subscription is $20. Articles and resources specifically for CSA farms and of interest to small farmers.

**The Avant Gardener**, PO Box 489, New York, NY 10028, published monthly, annual subscription is $24. Keep abreast of horticultural trends. Perennial gardeners and landscapers, especially, will like the sourcing of hot new introductions.

**Peace Seeds Research Journal**, 2385 SE Thompson St, Corvallis, OR 97333. Alan and Kusra Kapuler's remarkable publication features technical articles on plant kinships, also photographs, reviews and commentaries. Latest issue costs $22.

## Information on Genetic Engineering

**ETC Group**, (Action Group on Erosion, Technology and Concentration) 431 Gilmour St, 2nd floor, Ottawa ON K2P 0R5, Canada (613) 241-2267, www.etcgroup.org. International non-governmental organization monitors multinationals and governments on such GE issues as biopiracy, nanotechnology, patenting life forms, and terminator and exorcist technology. A wonderful watchdog. Now presenting Capt. Hook Biopiracy Awards featuring seed giant Syngenta.

**Union of Concerned Scientists**, 2 Brattle Sq, Cambridge, MA 02238, (617) 547-5552, www.ucsusa.org, is an alliance of citizens and scientists who work to research and evaluate the risks and benefits of biotechnology in agriculture and other topics in science and public safety. Read about Maine's new meat purchasing policy to limit animal antibiotics.

**Organic Consumers Association** 6771 South Silver Hill Dr., Finland, MN 55803, (218) 226-4164, www.organicconsumers.org. Public interest organization whose focus is safeguarding our food. Their e-newsletter *Organic Bytes* is a great way to stay aware of corporate assaults on our food supply. Their "Millions Against Monsanto" campaign chronicles the history of this corporation.

**GE Free Maine**, PO Box 151, Thorndike, ME 04986, (207) 692-2571, www.gefreemaine.org, statewide coalition building a Maine Center for Food Sovereignty and seeking to create GE-free zones across Maine through farmer's pledges and town resolutions. Their newsletter *Saving Seed* and their website keep current on GMO issues in Maine.

**The Campaign to Label GE Foods**, PO Box 55699, Seattle, WA 98155, (425) 771-4049, www.thecampaign.org. Compendium of labeling activities and legislation accessible by state. Instant letters to media, manufacturers and officials. Click on your state and each senator and representative is listed. Click on the individual you want to contact and the letter is formatted with their name and address. Easy!

**The Center for Food Safety** (now including True Food Network) 660 Pennsylvania Ave SE #302, Washington, DC 20003, (202) 547-5359, www.centerforfoodsafety.org, works through legal action and public education to maintain safe food.

## Seed Production and On-Farm Crop Improvement

**Restoring Our Seed (ROS)** PO Box 520, Waterville, ME 04903, (207) 872-9093, www.growseed.org, is a New England-wide network for organic seed production and on-farm crop improvement. Conducts annual winter conference and workshops. Funded by Northeast SARE.

**Organic Seed Alliance (OSA)** Box 772, Port Townsend, WA 98368, (360) 385-7192, www.seedalliance.org, sponsors a biennial seed growers conference and offers workshops on seed production and plant improvement. Conducts collaborative research on breeding and distributes seed to those in need through the World Seed Fund.

**Organic Seed Partnership (OSP)** Cornell U, 106 Love Lab/Caldwell Rd, Ithaca, NY 14853, (607) 227-7793, www.plbr.cornell.edu/PSI/OSP%20home.htm, regional activities to improve vegetable varieties for organic systems including NYS organic variety trials. A NE-SARE funded project with abundant resources for small-scale seed producers.

**Saving Our Seed**, 286 Dixie Hollow, Louisa, VA 23093, (540) 894-8865, www.savingourseed.org, a regional seed bank & program to train farmers in the production of organic and heirloom seeds, funded by Southern SARE. Has published great seed production guides and maintains an organic seed sourcing service.

## Organizations

**MOFGA (Maine Organic Farmers and Gardeners Association)**, PO Box 170, Unity, ME 04988, (207) 568-4142, www.mofga.org, works to promote sustainable agriculture through legislative and educational initiatives, annual sponsorship of the Common Ground Country Fair, publication of its quarterly newspaper, and maintenance of farm apprenticeship, journeyperson and certification programs. Maintains local chapters.

**NOFA (Northeast Organic Farming Association)** c/o Julie Rawson and Jack Kittredge, 411 Sheldon Rd, Barre, MA 01005, (978) 355-2853, www.nofa.org. For the rest of the Northeast what MOFGA is for Maine. Maintains state chapters in VT, NH, MA, RI, CT, NY and NJ (also serves PA). Sponsors educational conferences each summer and winter, and publishes a quarterly newspaper.

**PASA (Pennsylvania Association for Sustainable Agriculture)**, PO Box 419, Millheim, PA 16854, (814) 349-9856, www.pasafarming.org.

**OEFFA (Ohio Ecological Food & Farm Association)**, PO Box 82234, Columbus, OH 43202, (614) 421-2022, www.oeffa.org, Ohio's organic organization.

**VABF (Virginia Association for Biological Farming)**, PO Box 1003, Lexington, VA 24450, www.vabf.org. Virginia's ecological sustainable organic and biological farming organization.

**CFSA (Carolina Farm Stewardship Association)**, PO Box 448, Pittsboro, NC 27312, (919) 542-2402, www.carolinafarmstewards.org, is North and South Carolina's organic organization.

**The Bio-Dynamic Farming & Gardening Association**, 25844 Butler Rd. Junction City, OR 97448, (888) 516-7797, www.biodynamics.com, sponsors annual conference on topics of interest to biodynamic growers, maintains a nationwide CSA directory, publishes a quarterly journal and the annual *Stella Natura Calendar* (see #**9850** in our books section).

**The Robyn Van En Center for CSA in the Northeast** c/o Center for Sustainable Living, Wilson College, 1015 Philadelphia Ave, Chambersburg, PA 17201, (717) 261-4141 or fax (717) 264-1578, has information, materials and a good website on Community Supported Agriculture. See www.wilson.edu/csacenter.org.

**Northeast Sustainable Agriculture Working Group**, see www.smallfarm.org.

**Annual membership rates for MOFGA and NOFA.** You can join when you order; list names and addresses on a separate sheet, indicate new membership or renewal, add total on order form.

| state | individual | family | supporting | other | |
|---|---|---|---|---|---|
| VT | 30 | 40 | 100 | 25 | |
| NH | 30 | 40 | 100 | 23 | student |
| MA | 30 | 40 | 100 | 20 | low income |
| RI | 25 | 35 | 50 | 20 | student/senior |
| CT | 35 | 100 | 150 | 25 | student |
| NY | 30 | 40 | 100 | 15 | student/senior |
| NJ | 35 | 50 | 100 | 15 | low income |
| ME | 35 | 50 | 120 | 20 | low income/sen |

Top Ten Reasons For Not Joining The World Community In Addressing Concerns About Global Warming

10 Stay the course - being stubborn maintains authority.

9. What are you worried about - you're not going to be here anyhow.

8. Does evolution really work? - we'll soon find out.

7. It's good for business - natural disasters create new markets.

6. You'll soon own shorefront property.

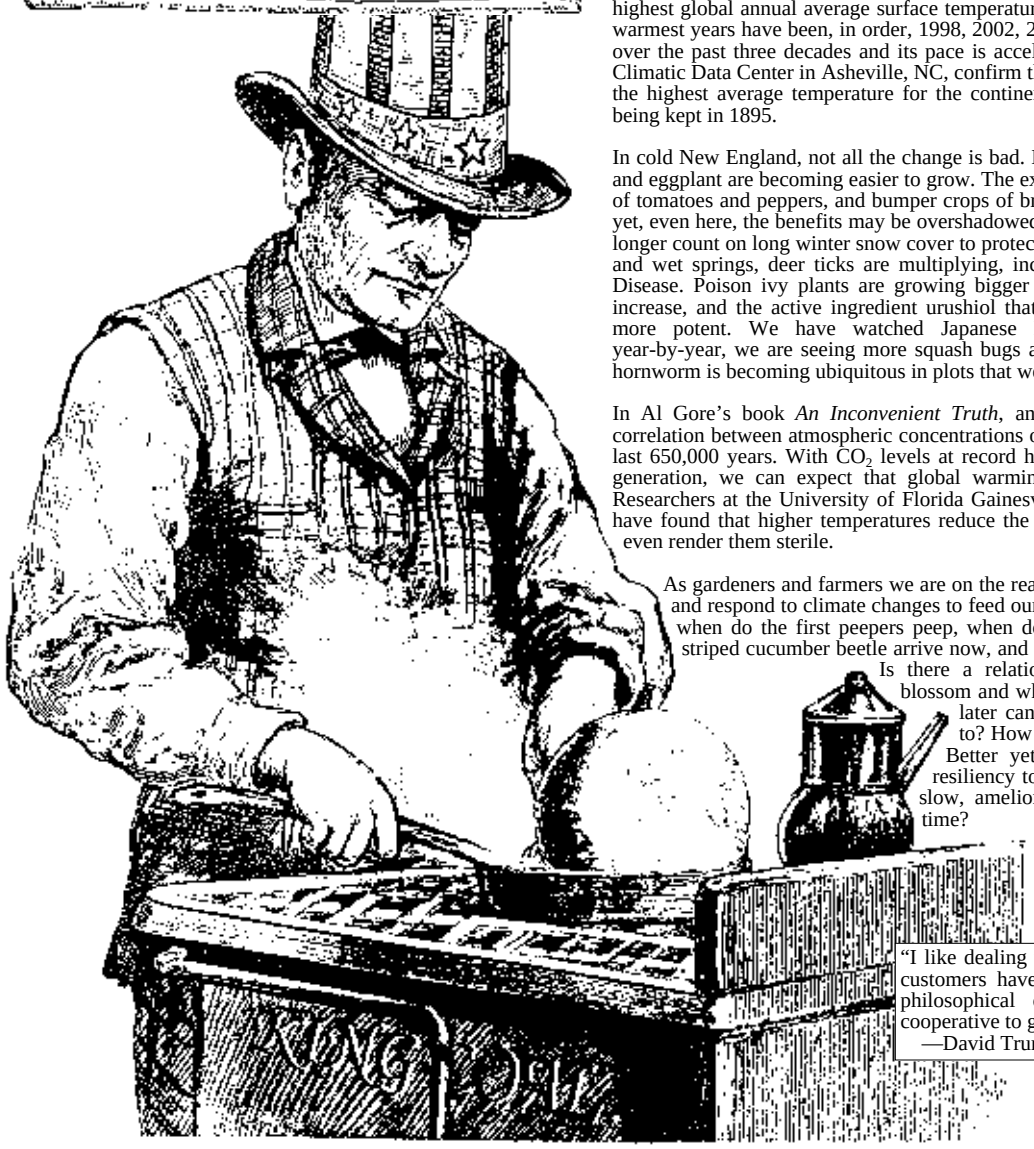
5. No more Florida election surprises.

4 Seen one snowflake, you've seen 'em all.

3. Mo' hotta, mo' betta.

2 My winter coat makes me look fat

1 Maine-grown coffee at MOFGA's Common Ground Fair!



# Fahrenheit 451?

In successive growing seasons market grower Eero Ruttilla of Nesenkeag Farm in southern New Hampshire endured the two rainiest months (October 2005 and May 2006) on 130 years' record. From May 13 to June 13 this year he had 20 inches! Both years his fields were flooded. "Even for New England the weather was erratic," he understates.

Michigan CSA farmer Anne Elder recounts, "2005 was our hottest summer since our farm began 18 years ago. Dry spring turned spring broccoli into cow feed. By mid-summer we laid drip everywhere."

David Nonnenmacher of Hawley, PA, reports, "This [2005] was a year with relentless heat from late June to past Labor Day.…Incredibly I picked and sold tomatoes well into October, more than a month after our usual frost date." He predicts, "I don't want to sound alarmist, but it is only a matter of time before a hurricane roars up the east coast and devastates our gardens. I am old enough to remember Hazel in '54 and Connie and Diane in successive weeks in August '55. Dad and I cut our flattened and twisted field corn with a sickle…with much difficulty."

"It will be interesting to see how my Maine seeds do here in Kan-zuz…After living in Maine for 20 years" and then moving to Kansas, "and seeing the massive changes here, I can firmly declare that global warming is for real! The western prairie is slowly becoming more like desert every year, and the winter is unlike anything I can remember, six weeks of 50-60° F weather!" muses Michael Cummings of Salinas, KS.

Here in Maine, we have had only 3 seasons out of 34 in which we failed to get our first killing frost by the end of Common Ground Fair in late Sept. Two of the three were 2005 and 2006. Yet, our spring this year was so sunless and wet that for the first time ever, I was unable to get on the ground in time to plant winter squash. June 20 came and went with the soil still not workable. The nature of our growing season has changed and it is changing the way we must garden and farm.

We are hearing from customers all across the country who are witnessing aberrant weather patterns and unprecedented climate change. Their observations are backed up by climatologists at NASA's Goddard Institute for Space Studies who say that 2005 had the highest global annual average surface temperature in more than a century. The four next warmest years have been, in order, 1998, 2002, 2003, 2004! Global warming is now 1° F over the past three decades and its pace is accelerating. Scientists at NOAA's National Climatic Data Center in Asheville, NC, confirm that the first six months of 2006 recorded the highest average temperature for the continental United States since records started being kept in 1895.

In cold New England, not all the change is bad. Heat-loving crops like watermelon, okra and eggplant are becoming easier to grow. The extended mild falls permit longer harvests of tomatoes and peppers, and bumper crops of broccoli, cauliflower and fall greens. And yet, even here, the benefits may be overshadowed by the undesirable changes. We can no longer count on long winter snow cover to protect our perennials. Aided by warm winters and wet springs, deer ticks are multiplying, increasing the threat of very nasty Lyme Disease. Poison ivy plants are growing bigger as atmospheric concentrations of $CO_2$ increase, and the active ingredient urushiol that causes the skin irritation is becoming more potent. We have watched Japanese Beetles extend their northern range year-by-year, we are seeing more squash bugs and potato leaf hoppers, and the tomato hornworm is becoming ubiquitous in plots that were not formerly troubled by it.

In Al Gore's book *An Inconvenient Truth*, an astonishing set of graphs shows the correlation between atmospheric concentrations of $CO_2$ and global temperatures over the last 650,000 years. With $CO_2$ levels at record highs and projected to spike in the next generation, we can expect that global warming will affect everything…even seeds. Researchers at the University of Florida Gainesville and the International Rice Institute have found that higher temperatures reduce the ability of plants to set seeds and could even render them sterile.

As gardeners and farmers we are on the real front lines, needing to observe, predict and respond to climate changes to feed our communities. When is the sap running, when do the first peepers peep, when do the lilacs bloom, when does the first striped cucumber beetle arrive now, and how is that changed from 20 years ago? Is there a relationship between when the apple trees blossom and when to plant the sweet corn? How much later can we harvest fall broccoli than we used to? How can we adapt and adjust to the changes? Better yet, how can we find the will and the resiliency to reshape our behavior so that we might slow, ameliorate, or even reverse these changes in time?

—CR Lawn

"I like dealing with a cooperative because the customers have some input. Also, there is a philosophical commitment inherent in the cooperative to goals beyond profit."
—David Trumble, Weare, NH

## We Love to Hear from You

and often respond to your comments and letters. Your ideas and suggestions stimulate our thinking and help us to improve our catalogs, products and service. Here are more ways you can help us:

**Suggest new varieties for us to carry.** Be these heirlooms which have been rediscovered, new varieties from modern breeding programs, or old standbys we've overlooked, your suggestions always interest us. The more specific your opinion, the more useful to us. Also please tell us whose seed you've been using.

**Help us fill the Seminis/Monsanto void:** We especially need replacements for the Seminis/Monsanto varieties outlined in our catalog. What are you using instead? Why is it good?

**Share your ideas for how we can improve service.** Even if we are unable to implement your idea, it is still valuable to us. Ideas show us areas we need to improve and lead us to possible solutions.

**Join our network of trial gardeners.** We are interested only in experienced successful gardeners with good record-keeping skills. We discourage organic purists because often trial samples have been fungicide-treated by the supplier. We give preference to trialers from Maine and other cold climate states who can test varieties in the growing conditions of the primary region we serve. For 2007 we need trialers of cantaloupe, celery, cucumber, corn, eggplant, okra, sweet peppers, tomatoes, turnip, watermelon and perennial flowers.

**Send us seed of an heirloom variety which you think has commercial potential.** We will grow it out to see if we agree. Our Cracoviensis and Italienischer lettuces, Harvest Queen and Pride of Wisconsin muskmelons, Ho Chi Minh and Limon Chile peppers all resulted from this type of collaboration.

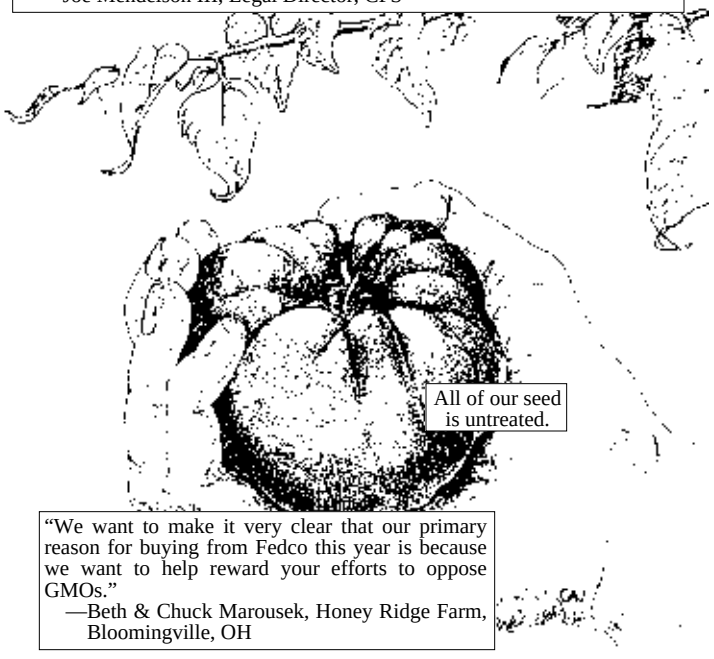
**Send us your old seed catalogs or old classic references.** We collect seed catalogs before 1970 and old garden books, especially those with good black-and-white drawings. They enhance our catalog with historical references and illustrations.

## Our Refund and Donations Lines

For a painless way to **support MOFGA** (the Maine Organic Farmers and Gardeners Association), donate all or part of your refund by checking a box on the totals page of your order form. The money will be used to maintain and improve the grounds at MOFGA's site by supporting the landscape plantings, demonstration fields and gardens, and heirloom orchards.

On the bottom of the totals page of your Seeds order form we have left a line for making an optional **donation** to the **Center for Food Safety**. Authors of *Monsanto vs. U.S. Farmers* (**#9756** in the books section), CFS has been a tireless advocate on behalf of farmers harassed by Monsanto, is a formidable opponent of the biotech industry, and a strong supporter of the integrity of the National Organic Standards. Through class action suits, friend of court briefs and other legal pressure, they have been instrumental in slowing the progress of GMOs.

"On behalf of everyone at the Center for Food Safety, I want to send you a big thank you for the generous donation to our organization. The appreciation runs down from your willingness to take a stand on Monsanto's purchase of Seminis, the authorship and printing of the Farmer's Howl, and, of course, the company's and customers' generosity. We'll make sure it is put to good use!"
—Joe Mendelson III, Legal Director, CFS




"We want to make it very clear that our primary reason for buying from Fedco this year is because we want to help reward your efforts to oppose GMOs."
—Beth & Chuck Marousek, Honey Ridge Farm, Bloomingville, OH

## Seed Quality

Seeds differ from most other commodities in at least three fundamental ways. First, they are alive, they respire and their vitality is always in flux. Second, bad craftsmanship in the seed business often does not manifest immediately. The Detroit Dark Red OG beet seed that was sent to us with off-types could not be detected from the seeds, only from the plants they produced. Third, reparations can be made only after discovery of the problem, usually too late to replant the crop in the same season, making the real loss far more than the cost of the seed. For these reasons, quality control is especially important in our business.

We are committed to sending out the best seed we can at the most reasonable prices possible. To ensure quality we:

- Maintain strict internal procedures to reduce the probability of labeling errors to as close to zero as is humanly possible.
- Maintain extensive variety trials in which we annually evaluate hundreds of cultivars at multiple sites, field-testing all potential offerings for high performance in our cold New England climate.
- Maintain a lot-growout program field testing lots of some varieties we sell, making observations and taking action to improve quality where needed.
- Conduct trials of the same varieties from several sources so that we can identify and purchase superior strains.
- Identify outstanding regional specialties and heirloom varieties rarely available from commercial channels, select the best for seed multiplication, and grow seed crops for introduction in our catalog.
- Collaborate with artisanal breeders to improve old standbys and incorporate disease resistance.
- Work with groups such as the Organic Seed Partnership and Restoring Our Seed to identify varietal needs and help create breeding lines especially adapted to sustainable agriculture in cold climates.
- Purchase quality hybrids grown in optimum climatic conditions by expert seedspeople all over the world.
- Remain open to suggestions for how to improve the performance of our varieties.

Please let us know of **Any Problem** with our seeds *as soon as possible* so that we can help you *and other people who may be having the same problem.*

- Check-list for seed problems. Ask yourself:
  1) Where did I get the seed? And when?
  2) If it is old, how did I store it?
  3) Under what conditions did I plant it?
  4) How did other similar varieties perform at the same time?
- The more specific information you share with us about what went wrong and how it went wrong, the more helpful we can be. As a minimum we need to know *variety name, size of packet* bought and *lot number* if available, and the *nature of the problem*.
- To avoid playing telephone tag, please email CR Lawn at seedquality@fedcoseeds.com. Restrict emails to seed quality problems; other correspondence will not be answered.

## Fedco Does Not Knowingly Carry Genetically Engineered Seeds

At our 1996 Annual Meeting we voted unanimously not to knowingly offer for sale any transgenic variety because the new gene technologies pose unacceptable risks to the environment. In 1999 we affirmed and clarified that position and will follow the guidelines of the Organic Materials Review Institute (OMRI) which prohibits the use of genetically engineered organisms in organic crop production. OMRI uses the National Organic Standards Board (NOSB) definition of genetic engineering. Along with more than 100 other seed companies, we have signed The Safe Seed Pledge.

Please note the word "*knowingly.*" Because of the possibility of contamination, over which we have no control, our pledge necessarily stops short of being an absolute guarantee. Although we will not sell any variety represented to us as transgenic, we will not be held legally responsible if any of our seed tests positive for genetically modified organisms. We have been advised not to sign any blanket statements such as "GMO free" that require us to state with certainty that our products are pure. Please do not submit such statements with your order. We apologize for having to split legal hairs, but we all share the reality of genetic drift.

### THE SAFE SEED PLEDGE

Agriculture and seeds provide the basis on which our lives depend. We must protect this foundation as a safe and genetically stable source for future generations. For the benefit of all farmers, gardeners and consumers who want an alternative, *we pledge that we do not knowingly buy or sell genetically engineered seeds or plants.* The mechanical transfer of genetic material outside of natural reproductive methods and between genera, families or kingdoms, poses great biological risks as well as economic, political and cultural threats. We feel that genetically engineered varieties have been insufficiently tested prior to public release. More research and testing are necessary to further assess the potential risks of genetically engineered seeds. Further, we wish to support agricultural progress that leads to healthier soils, genetically diverse agricultural ecosystems and ultimately people and communities.

## Start a Student-Run Seed Company

Every young person should have the opportunity to learn where their food and seeds come from. By planting a garden and letting the vegetables grow to seed young people discover the abundance of nature, through hands-on science and stewardship. Fedco offers a free 41-page illustrated activity guidebook with grade-by-grade seed projects. Call or write Fedco to request the curriculum, or download from growseed.org/seedstewards.html.

**• Start a school seed store.**

A seed store at your school can be a fund-raiser with a wholesome green message. We offer two options: the packet seed store and the bulk seed store. Whichever you choose, we will help you select varieties for resale to parents and school supporters.

In the packet model you purchase multiple packets and resell them at a profit. All applicable volume discounts apply plus an additional 10% school seed store packet discount.

The bulk Seed Store is more work, a lot more fun, and offers far greater money-making potential. Schools purchase seeds in bulk and students repack the seed to sell at their own Seed Store. Students design their own seed packets, develop their marketing strategy, and learn practical math using scales and scoops. To keep overhead low we can provide seed envelopes to you at cost. All applicable volume discounts apply plus an additional 5% school seed store bulk discount.

Either option can be integrated into your Seed curriculum. Write or call Fedco if you have questions about ordering seed. Contact <growseed@yahoo.com> for more information on workshops in breeding and seed-saving programs for schools.

## Restoring Our Seed

Seed-saving has been the right and responsibility of farmers since the emergence of agriculture. Generation by generation, traditional farmers selected seed crops for traits to thrive in their local climates. With the support of SARE, organic farmers and gardeners throughout New England are learning how to select their own superior vegetable lines. Experienced seed farmers are teaching us how to save and select seed and have contributed their superior gene-pools to select for our own varieties with higher yields, more flavor and resistance to local diseases and pests. ROS offers the following gene-pools bred by and for organic farmers:

- Winter-hardy mustard gene-pools from CT grower Bryan O'Hara.
- Winter-hardy flavorful arugula, tatsoi, thick-stemmed mustard from MD grower Brett Grohsgal.
- Scarlet Mizpoona (mizuna x tatsoi x Scarlet Ohno turnip) from OR grower Frank Morton.
- Potato Dance - CT grower Bryan Connolly's cross of rich-flavored potatoes with Cornell's Prince Hairy that has prickly leaves that repel potato beetles.
- Dancing Kale - a gene-pool of tasty kales that over-wintered in CT grower John Sokoloski's garden.
- Brandy Rose - a cross of Brandywine tomato with Rose de Berne, grown by Connolly, Michael Glos in upstate New York or one of several growers in Maine.

Contact growseed@yahoo.com to request seeds.

## Restoring Heritage Wheats

Wheat, the most widely cultivated crop on Earth, is bred today for genetic uniformity for chemically intensive industrial farms. Heritage wheats are twice as tall as modern wheat, compete better with weeds, have extensive roots that better absorb organic nutrients, and are higher in most minerals. Artisanal bakers prefer their rich flavor. ROS offers wheat sheaves and 5-gram packets of rare heritage wheats: Turkey Red Sheaves, originally brought by Russian Mennonites to Kansas in 1872, excellent for breads, and Red Lammas, brought here by the British in the 1600s, for cookies or light breads.

## Seed Saving for Beginners

| Vegetable | Cycle | Pollination | Pollinator | Isolation Distance | Seed Longevity | Notes |
|---|---|---|---|---|---|---|
| Bean | A | Self | | 100' | 2-3 yrs | Lose vigor rapidly. |
| Soybean | A | Self | | 100' | 2-3 yrs | Space farther part than for market crops. |
| Beet/Chard | B | Cross | Wind | 1/2 mi | 3-5 yrs | Beets cross with chards. |
| Broccoli/Kale/ Cauliflower | B | Cross | Insects | 1/2 mi | 3-5 yrs | Hot-water treated seeds last only 1 yr. Crossing among brassica species is complex, consult a good reference book. |
| Carrot | B | Cross | Insects | 1500' | 2-3 yrs | Crosses with wild species. |
| Celery | B | Cross | Insects | 1500' | 2-3 yrs | |
| Corn | A | Cross | Wind | 1/2 mi | 2-3 yrs | Adequate population essential. |
| Cucumber | A | Cross | Insects | 1500' | 5-10 yrs | Harvest at yellow blimp stage. |
| Eggplant | A | Self | | 150' | 2-3 yrs | |
| Leek | B | Cross | Insects | 1500' | 2 yrs | |
| Onion | B | Cross | Insects | 1500' | 1 yr | |
| Lettuce | A | Self | | 50' | 2-3 yrs | Start indoors, need long season for seed. |
| Melon | A | Cross | Insects | 1500' | 5-10 yrs | Muskmelons will not cross with watermelons. |
| Mustard | A | Cross | Insects | 1/2 mi | 3-5 yrs | Crosses with wild species. |
| Pea | A | Self | | 50' | 2-3 yrs | Do not save seed from diseased plants. |
| Pepper | A | both | Insects | 500' | 2-3 yrs | Some varieties cross more readily than others. |
| Radish | A | Cross | Insects | 1500' | 3-5 yrs | |
| Spinach | A | Cross | Wind | 1/2 mi | 2-3 yrs | |
| Squash/ Pumpkin | A | Cross | Insects | 1500' | 2-5 yrs | moschata 2-3 yrs, pepo & maxima 3-5 yrs. These three species generally do not cross. |
| Tomato | A | Self | | 25'-100' | 5-10 yrs | Potato-leaf types need the greater isolation distance. |

**Cycle**: A=annual, B=biennial.
**Pollination**: Self=self-pollinated, Cross=outcrossed, pollinated by another plant.
**Isolation Distance**: recommended distance by which different varieties must be separated to prevent unwanted cross-pollination.
**Seed Longevity**: Averages, not guarantees. Seed longevity depends on the conditions under which the crop was grown and how the seeds have been stored.

Minimum Populations: Crossers require minimum populations to maintain vigor and avoid inbreeding depression. Recommended minumum number of plants: 25 cucumbers, squash, melons; 50-100 radishes, brassicas, mustards; 200 sweet corn.

### Basic Definitions

**Open-pollinated** varieties will grow true to type when randomly mated within their own variety. Seed saved from these plants will breed true, provided the plants have been properly isolated from different varieties of the same species.
**Hybrid** varieties are those produced from the crossing of two different inbred lines. *Seed saved from hybrid varieties will not breed true in the next generation.*

Amongst **open-pollinated** plants, **self-pollinated** (selfers) usually reproduce by using their own pollen. **Crossers** usually reproduce through the transfer of pollen from one plant to a different plant of the same species.

Plants are classified into kinds by **genus**, general kind, and **species**, specific kind within the genus. For example, some squashes are *Cucurbita pepo*. Cucurbita is the genus and pepo is the species. A **variety** is a particular named kind. In *Cucurbita pepo* Sweet Dumpling, Sweet Dumpling is the variety.

Seed Storage: Keep your seed alive by storing it properly! Humidity and heat are the enemies of seed longevity. Humidity causes the quickest deterioration. Ideal moisture content for most seed is no more than 10-12% so store at low relative humidity. Optimum storage is in a sealed jar in a freezer or refrigerator. Failing that, the sum of temperature plus relative humidity where seed is kept should never exceed 100.

Never store seed in a humid, warm or sunny spot.

Don't ever leave it in a greenhouse or hoophouse for even a few hours.

Most seed stored properly will last for several years. A few seeds are good for one year only, such as onions, parsnips, parsley, chives, shiso, scorzonera, Batavian endive, licorice, pennyroyal, St Johnswort, liatris, delphinium, larkspur, perennial phlox, and any seed that has been pelleted or hot-water treated. If in doubt, try germinating a sample of old seed in moist paper towels.

For cultural information, see the vegetable chart on p. 67, flowers charts on pp. 68-69 and herb chart on p.71.
See **9635**, **9690**, **9765**, **9836**, and **9878** in the Books section for more information on seed saving and production.

## New Seed Varieties for 2007

**283** German pole bean: Heirloom from Sam Birch!
**284** Gold of Bacau pole bean: At last our first pole wax bean
**295** Blue Coco pole bean: plus our first pole purple bean!
**313** King of the Garden pole lima bean: For those with a long enough season!
**335** Tiger Eye dry bean: This cat is one gorgeous bean!
**586** Cohasset sweet corn: Eight inches of delight in every ear!
**744** Progress #9 pea: A good pea, but not our most important product!
**989** Crimson Sweet watermelon: A classic comes north!
**1049** Hannah's Choice Muskmelon: Nikos' choice, too!
**1244** Mexican Sour Gherkin: Miniature watermelon look-alikes that aren't!
**1308** Poona Kheera cucumber: Refreshing russeted cuke comes from India!
**1404** Jackpot zucchini: Repays your ante many times over!
**1442** Sebring summer squash: Settles in after the Gold Rush!
**1460** Tromboncino squash: We're blowing our horn for this rampant zuke!
**1504** Saffron summer squash: We're just mad about Saffron!
**1507** Gentry summer squash: The gentry get their first foothold in Fedco!
**1604** Paydon heirloom acorn squash: Acorn squash has never been this good!
**1618** Pink Banana: A top banana in our catalog!
**1658** Seminole Squash: These squashes hang from trees!
**1939** Professional Small Warted Gourd Mix: Professionals have better warts!
**2024** Amsterdam #2 carrot: For babies that can't be beat!
**2078** Jaune du Doubs carrot: French heirloom is the best-tasting yellow carrot!
**2301** Hamburg parsley: Better in a soup than on a bun!
**2425** Bleu de Solaize: The cold turns it blue but doesn't kill it!
**2487** Red Wethersfield onion: Weathering New England climes for 2 centuries!
**2493** Red Bull onion: We like the onion better than the soft drink!
**2791** Tango lettuce: Make your mesclun dance!
**2792** Revolution lettuce! Use to overthrow the #**1507**s and the #**1618**s!
**2874** Olga lettuce: Olga is one tasty romaine!
**2905** Cardinale lettuce: Bird of stunning plumage!
**2923** Red iceberg lettuce: This iceberg won't melt in the heat!
**3041** Rhubarb Supreme red chard: Not all red chard is created equal!
**3099** Sea Kale: Sing a chantey for perennial kale!
**3170** Dark Green Italian parsley: Organic parsley comes to Fedco!
**3195** Even'Star Champion collards: Champions of resilience after freezes!
**3197** Tenderleaf: Even a tenderfoot can grow this leaf!
**3198** Even'Star Land-Race Tatsoi: On-farm breeding at its best!
**3205** Hon Tsai Tai: The color purple!
**3320** Golden Acre cabbage: A home garden favorite for many decades!
**3505** Gonzales cabbage: Makes good sense to plant it dense!
**3510** Wakamine cabbage: Blue-ribbon successor to Grand Prize!
**3539** Bartolo cabbage: Harder-headed than the President & a better keeper!
**3631** Golden Self-Blanching celery: Yellow-hearted but won't cut & run!
**3684** Diamond eggplant: A 2-carat aubergine!
**3687** Turkish Orange eggplant: Eat it young for Turkish delight!
**3698** Cowhorn okra: Not the kind of cowhorn used to make BD preps!
**3755** Ho Chi Minh hot pepper: Mastermind of #**2792**!
**3836** Carmen pepper: A temptress with a good ending!
**4014** Verde Puebla tomatillo: For salsa dancing after you do the #**2791**!
**4107** Be My Baby cherry tomato: Won't you be my baby this season?
**4114** Black Cherry tomato: Tender two-bite treats!
**4441** Aromato basil: Bi-color basil beckons!
**4517** Caribe cilantro: Hard-working, heavy yielding!
**4520** Delfino cilantro: A dill of a cilantro!
**4668** White sage: Purify your environment!
**5088** Solar Flashback calendula: Oh wow! Look what Frank bred!
**5140** Purity Sensation cosmos: Nor grew it white in a single night!
**5278** Sunrise Serenade morning glory: Start your day with song!
**5309** Blue Wave petunia: This series continues to ride the wave of success!
**5465,5466,5467** Benary's Giants Crimson, Golden Yellow & Purple: A trip!
**5731** Madras Scarlet cockscomb: Red brains!
**5733** Ice Cream cockscomb: You supply the pie!
**5799** Pearly Everlasting: Good soil is its oyster!
**6021** Forest Blue balloon flower: This one won't burst your balloon!
**6055** Yellow Prairie coneflower: Yellow ballerina of the prairie!
**6128** Burgundy gaillardia: This one's no wet blanket!
**6160** Blue Pearl Jacob's ladder: Jacob's got it made in the shade!
**6184** My Castle red Russell lupine: My castle is its home!
**6210** Iron Maiden penstemon: Nobody expects the Spanish Inquisition!

In addition, we welcome the return of 25 favorites including Black Kabouli bean, Capucijiners, Dwarf White Sugar snow pea, Ponca squash, Lady Godiva pumpkin, Tennesee Dancing gourd, Scarlet Keeper carrot, Takinogawa burdock, Large-seeded mâche, Senposai, Dominant cauliflower, Umpqua and Purple Peacock broccoli, Feherozon, Ancho 101, Turino and Chilipeno peppers, Bonny Best tomato, Salad Burnet, Lemondrop and Tashkent marigolds, Violet moon lily, Signum Blue salvia, Black Knight sweet pea, and Terra oats.

When Monsanto bought out Seminis last year, we decided to phase-out our Seminis line. For more information about our decision, see our 2006 catalog or visit our website.

## Dropped Varieties for 2007

**217** Benchmark bean: We like #**230** Jade better.
**280** Northeaster bean: Crop failure.
**335** Limelight bean: Crop failure.
**339** Drabo bean: Crop failure.
**492** Sayamusume soy bean: Crop failure.
**616** Painted Hills corn: Crop failure
**666** Strawberry pop corn: Dropped for slow sales.
**688** Mandan Bride flour corn: Replaced by #**680** Painted Mountain.
**696** Kalidia ornamental corn: Sales too slow to keep.
**833** Sumo snow pea: Crop failure.
**882** Sugar Lode snap pea: Crop failure.
**888** Cascadia snap pea: Crop failure.
**1020** Sweetie #6 melon: Being dropped by the trade.
**1637/1638:** Burpee's Butterbush squash: Crop failure.
**1698** Sunspot squash: Couldn't find its place in the sun; sales too slow.
**1938** Small Warted gourd: Replaced by #**1939** Professional Small Warted.
**1972** Baby Bottle gourd: Very slow sales.
**1984** Maranka gourd: Very long growing season; slow sales.
**2093** Bolero carrot: Dropped by the trade.
**2414** Imperial leek: Crop failure.
**2426** Siegfried leek: Replaced by #**2425** Bleu de Solaize
**2449** New York Early onion: Crop failure.
**2486** Rossa Di Milano onion: Crop failure.
**2937** Rosa Lettuce: Replaced by #**2923** Red Iceberg.
**3052** Cascade Glaze collards: Crop failure.
**3145** Magenta orach: No crop this year, very slow sales.
**3150** Aurora orach: No crop this year.
**3175** Plain Leaf parsley: Replaced by #**3170** Dark Green Italian parsley.
**3337** Danish Ballhead cabbage: Crossing in the strain.
**3715** Boldog pepper: Crop failure.
**3750** Tasty Golden Greek pepper: Crossing in the strain.
**3859** Sugar Chile pepper: Can't find a supplier.
**4107** Ciudad Victoria cherry tomato: Replaced by better varieties.
**4275** Golden Boy tomato: Dropped by the trade.
**4487** Boneset: No crop.
**5147** Dwarf Fragrance Mix carnation: Dropped for very slow sales.
**5161** Red Peacock flowering kale: No crop this year.
**5174** Java impatiens: Dropped by the trade.
**5237** Troubadour marigold: Replaced by #**5233** Lemondrop.
**5324** Carnation Rose poppy: No seed grower this year.
**5434** Terra Cotta sunflower: Dropped for slow sales.
**5458** Mixed Streamers sweet pea: No crop this year.
**5467** Wallflower: Twas the wallflower of our list, very poor sales.
**5820** Turbo Blue statice: Crossing in the strain.
**5990** Silvertip wheat: Replaced by #**5985** Bravehart.
**6276** Silkweed: Dropped for slow sales.
**6410** Brunia lettuce: We lost our supplier.

### Dropped Seminis/Monsanto Varieties

**757** Dual pea
**1014** French Orange melon
**1442** Gold Rush zucchini, try #**1442** Sebring
**1503** Papaya Pear squash
**1506** Sundance squash, try #**1507** Gentry
**1649** Bush Delicata
**1827** Snack Jack pumpkin
**2301** Hamburg Half-long parsley, try #**2301** Hamburg parsley
**2476** Mars onion, try #**2493** Red Bull
**2457** Superstar onion
**2452** First Edition onion
**2734** Simpson Elite lettuce
**2843** Esmeralda lettuce
**3460** Liberty broccoli
**3508** Grand Prize, try #**3510** Wakamine
**3682** Dusky eggplant, try #**3684** Diamond
**3696** Cajun Delight okra
**3815** Fat 'n Sassy pepper
**3844** Big Bertha pepper
**3880** Super Chili pepper, try #**3773** Matchbox
**4014** Toma Verde tomatillo, try #**4014** Verde Puebla
**6406** Amira cucumber
**6407** Pasta squash
**6408** Thumbelina carrot, try #**2018** Tonda di Parigi
**6426** Sunsugar cherry tomato

A number of other items are in short supply this year.
Check your catalog and order early.

## Last Chance in 2007

**2766** Blushed Icy Oak lettuce gene-pool: Will drop unless sales improve.
**2872** Brune D'Hiver lettuce: Slow sales make this likely last year.
**4101** Whippersnapper cherry tomato: Has been supplanted by better ones.
**5810** Ping Pong Starflower: Sales have been slow.

### Last Chance for Seminis/Monsanto Varieties

**1090** Ambrosia muskmelon
**1096** Earli-Dew honeydew melon
**1164** Jade Star watermelon
**1396** Holland cucumber
**1408** Seneca zucchini
**1522** Seneca Prolific yellow squash,
**1677** Burpee's Early Acorn Hybrid
**2022** Minicor carrot,
**2098** Sweetness II carrot
**2469** Candy onion
**3410** Packman broccoli
**3686** Cloud 9 eggplant
**3832** Red Knight X3R® pepper
**3872** Garden Salsa pepper
**4210** Early Cascade tomato
**4260** Big Beef tomato
**4280** Classica tomato
**4286** Sweet Baby Girl cherry
**6402** Burpee Hybrid muskmelon
**6404** Cool Breeze cucumber

## Certified Organic Seed

Fedco Seeds is a certified organic processor under the National Organic Program. Our facilities were inspected by MOFGA Certification Services LLC. Each variety labeled as organic in our catalog has been certified by a USDA-approved agency. By maintaining an audit trail and careful procedures we ensure that our seed offered as certified organic will not be contaminated.

**If you buy organic seed because you are a certified grower, save your invoice from us and your packet labels so you can keep track of lot numbers to maintain your own audit trail.**

Although the rule requires organic growers to use certified-organic seed whenever it is commercially available, in actual practice it still leaves a wide range of choices. Many ambiguities remain in the definition of "commercially available" and in what constitutes a good faith effort to locate organic seed. Consult your regional certifier for their specific definitions.

These vary from state to state, and organic growers have been using different compliance strategies. Some work from a large number of different catalogs and purchase only organic seed no matter what the cost. Others stick to a few preferred suppliers, insist on certain favored varieties, and/or take price and quality into consideration.

## What Kind of Organic Seed System Do YOU Want?

Some seed companies gripe that organic farmers have been using the commercial availability exemption to avoid buying organic seed, and argue that the rule should be tightened or even made absolute.

At Fedco I've had a good vantage point from which to view the rule's effects. Even before the NOP instituted the requirement to use organic seed, many of you, guided by ethical and environmental beliefs, asked for more organic varieties and bought them.

Prior to the NOP, state certification standards went no further than forbidding fungicide-treated seed. Although we were surprised by the new rule, we nevertheless welcomed it and committed significant resources to making more organic seed available. It has been a good investment. Organic sales now constitute 28% of our seed business.

Why, then do many certified organic growers still sometimes buy non-organic seed? Favorite varieties, particularly high-powered hybrids that are important to choosy markets, are not yet available. Some are in short supply, so that farmers needing ounces or pounds of seed can locate only small packets. And yes, the quality available is still very uneven, though improving. The rule created a gap between the demand and supply of good quality organic seed that remains. Consequently, some organic seeds are exorbitantly priced with premiums of five and ten times over comparable conventional prices not uncommon.

FEDCO·SEEDS

Clean Seed Packers

This certifies that I have searched the Fedco Seed catalog for certified-organic seed.

Farm_____

Name_____

Signature_____

_____

Why, then, would anyone argue that now is the time to impose a stricter organic rule? "The more land under organic cultivation the better," is one oft-repeated rationale. If farmers have to use organic seed, they will buy more, generating more organic seed production, and a healthier farmland ecology. Ah, would that the economic effects were so appealingly simple!

The likely real effects of a strict rule might surprise and dismay some of its more idealistic proponents. It would cause an even greater imbalance in supply and demand, sending organic seed prices skyrocketing. At least in the short term, the pool of varieties available to farmers would shrink while their costs increased. They would lose one of their fundamental rights as farmers: to choose the varieties that they want to grow. Some, unable to bear the higher costs, might eschew organic certification altogether. Those who stayed in the program would pass on their increased seed costs to their buyers. Higher prices, by making organic produce accessible only to the affluent, could actually cause sales and the amount of land under organic production to decline.

The original market for organic seed bubbled up from farmers and gardeners, but a new absolute rule-driven market would be a top-down command economy which turns the capitalist model on its head. The real beneficiaries would not be farmers but instead large seed suppliers. By creating a captive market for their products the absolute rule would give them an indirect government subsidy. Given a rule that subsidizes them at the expense of farmers, the big boys would seriously commit to organic seed production, swallow up their smaller competitors, and move to take control of the industry. For a preview of what would be likely, take a good look at the organic food industry today in *Organic, Inc*. by Samuel Fromartz (**#9785** in the books section), and *The Omnivore's Dilemma* by Michael Pollan (**#9776**). Learn from Pollan how government agricultural subsidies have almost destroyed America's heartland.

It should be no surprise that much of the impetus for a stricter rule is coming from the American Seed Trade Association. ASTA's purpose has always been to enhance the bottom line of its members, not to help farmers. Over the years it successfully lobbied to eliminate a large USDA program that distributed new varieties for free to farmers to trial, pushed for plant patenting laws and intellectual property rights to drive up the price of seed, and promoted genetically modified crops to benefit the large multinational corporations who have the most clout in the association.

ASTA met with the NOP to request an NOP-managed national organic seed database. Then Carolina Farm Stewardship Association's Save Our Seed Project pre-empted them by creating a similar organic sourcing service. I fear that certifiers will use SOSP to tighten their enforcement of the seed rule and that farmer-friendly rules requiring them to search at least 3 companies to find their desired organic variety will give way to mandatory use of a national list.

I have nothing against a national list as a *convenience tool* (the Seed Savers Exchange yearbook is such in my work), but when it becomes a *compliance tool* it is a bad idea. As the entering wedge in a drive towards mandatory enforcement of an absolute seed rule, like every other "one size fits all" approach, it will be inherently reductionist, speaking nothing to differences in seed quality, to nuances of distinction between similar varieties, or to the living, mutable quality of seed varieties. (In fact we've begun to offer changeable gene pools in our catalog inviting farmers to take part again in varietal evolution and development as they did for generations before there were seed companies and multinational corporations.)

Now that they are in so many catalogs and on so many websites, finding organic seeds has never been easier. Anyone willing to make a little effort can find them and learn a lot along the way. I don't want people to use a national list to find organic seed. I want them to shop this catalog which we have tried to make a valuable resource. I want them to compare sources, descriptions and prices to make reasoned and free decisions to plant what's best for their farm...even if that's the other company's stuff! That's why when OMRI proposed a national organic seed list funded by seed company fees I balked.

Today the organic seed community is abuzz with the ferment of diverse initiatives. Creative breeders, vibrant alternative seed companies, exciting university/farmer collaborations, enthusiastic regional networks all are working to fill the organic supply shortage. Not just to fill it with *any* organic seed produced in the familar agribiz factory-farming model by substituting organic inputs for chemical inputs while changing nothing else, but to fill it with *regionally adapted* varieties *specifically bred to thrive under organic conditions in wholistic social ecologies*. Given adequate time, the free market will do a great job of increasing the quantity and quality of available selections without any need for indirect subsidies to seed companies.

Tell your certifier that the seed rule is fine as it is, thank you, with just the right amount of regulation to catalyze the bubbling fermentation without killing it by overheating.

–CR Lawn

The seed varieties we list as organic are the only organics we have have available this year. Please do not call about the availability of any others or ask us to do source work. Use the clip-out form on the left to send to your certifier as proof that you looked for organic seed at Fedco. Please do not request additional documentation from us.

## Sustainably Grown Seed

We can legally offer seed in our catalog as "certified organic" only if it comes from certified farms. This is true even if the seed is from farms grossing under $5,000 which would otherwise be exempt from certification.

We have been painstakingly building our cadre of small seed growers for the past fifteen years. We feel such a network is at the essence of democracy and self-reliance. Most of our growers use farm and seed revenues to supplement income from other jobs. Few gross over $5,000 farming.

Although most practice sustainable farming methods conscientiously, many have eschewed certification for a variety of reasons, ideological, economic and otherwise. In this catalog we are using the ecological label **ECO** after the variety name to describe seeds grown without pesticides, herbicides or chemical fertilizers in gardens and on farms which maintain an active soil-building program. In most cases this seed is as sustainably grown as the certified organic seed, so I hope you will continue to support these growers with your purchases.

## Organics in the Catalog

We have listed all available organic selections with sizes and prices here in their own section. All variety descriptions are in the main body of the catalog beginning on page 16. There you will also find prices and sizes for all the varieties, including the organic ones. In some instances we offer both commercial and certified organic seed of the same variety and you will be able to compare prices without flipping pages.

Things you should know about ordering organic:

- All organic catalog letters end with the letter 'O.' None of the conventional letters do.
- Organic always costs the same or more than conventional of the same variety.
- If you change your mind between an organic and conventional selection of the same variety you need to change three things: 1) the catalog number 2) the catalog letters 3) the price.
- If you want nothing but organic use the front of the catalog. If you want descriptions or price comparisons, use the main body.

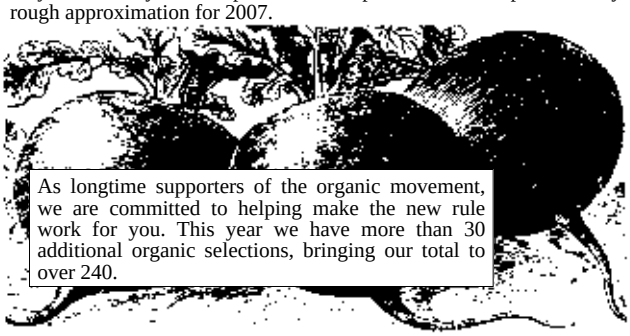
**OG** after cultivar name = entire lot is certified-organic seed. The certifying agency is listed in the copy. Abbreviations are:

**AGRIOR**: an Israeli organic inspection agency
**BSO**: Bay State Organic Certifiers (Massachusetts)
**CCOF**: California Certified Organic Farmers
**CO**: Colorado Department of Agriculture
**IA**: Iowa Department of Land Stewardship
**ID**: Idaho Department of Agriculture
**IFOAM**: International Federation of Organic Agricultural Movements
**MD**: Maryland Department of Agriculture
**MOFGA**: Maine Organic Farmers and Gardeners Association, MOFGA Certification Services, LLC
**MT**: Montana Department of Agriculture
**NOFA** (followed by state chapter): Northeast Organic Farming Association
**OCIA**: Organic Crop Improvement Association
**OT**: Oregon Tilth
**PCO**: Pennsylvania Certified Organic
**QAI**: Quality Assurance International (California)
**QCS**: Quality Certification Services (Florida)
**SKAL**: a Netherlands organic certifying agency
**Stellar NOP**: the certifying arm of Demeter, the international agency certifying biodynamically grown crops.
**WA**: Washington State Department of Agriculture

**Supplier Codes** - See page 16 for more information.
① Small seed farmers including Fedco staff.
② Family-owned companies or cooperatives, domestic and foreign.
③ Domestic and foreign corporations not part of a larger conglomerate.
④ Multinationals not to our knowledge engaged in genetic engineering.
⑤ Multinationals who are engaged in genetic engineering.
⑥ Seminis/Monsanto varieties.

**Prices** - Sizes and prices are at the end of each variety description. For larger quantities than listed see instructions for bulk orders on p. 3.

**Seed Counts** - Seeds per size-**A** packet for vegetables are approximate. They are intended as guides not guarantees. Seed size and count often vary from one year's crop to the next; past counts will provide only a rough approximation for 2007.



As longtime supporters of the organic movement, we are committed to helping make the new rule work for you. This year we have more than 30 additional organic selections, bringing our total to over 240.

# CERTIFIED-ORGANIC VARIETIES

**All open-pollinated unless otherwise noted.** See main body of catalog, beginning on p. 16, for descriptions, for sustainably and commercially grown seed, and for section headers containing cultural information and sundry facts. For organic cover crops, see pp. 110-113.

### STORE RACKS

**103 All Certified Organic** 28 best-selling organic varieties. 23 vegetables, 2 herbs, 3 flowers. **A**=5 packets of each with rack, $176.00, **B**=10 packets of each with rack, $332.00, **C**=5 packets of each without rack, $156.00, **D**=10 packets of each without rack, $312.00

**104 All Certified Organic** 56 best-selling varieties. 41 vegetables, 7 herbs, 8 flowers. **A**=5 packets of each with rack, $346.00, **B**=10 packets of each with rack, $672.00, **C**=5 packets of each without rack, $326.00, **D**=10 packets of each without rack, $652.00

### BEANS *Phaseolus vulgaris*

**205PO Provider OG** (50 days) CCOF or ID ①③ **A**=2oz, $1.80 (~180 seeds), **B**=8oz, $4.20, **C**=1lb, $7.50, **D**=5lb, $32.00, **E**=10lb, $60.00, **K**=25lb, $145.00, **L**=50lb, $275.00

**249MO Maxibel OG** (61 days) ID ① **A**=1/2oz, 80¢ (~64 seeds), **B**=2oz, $1.80, **C**=8oz, $5.40, **D**=1lb, $10.50, **E**=5lb, $45.00

**277DO Dragon Langerie OG** (57 days) IID ① **A**=2oz, $1.60 (~120 seeds), **B**=8oz, $4.50, **C**=1lb, $7.50, **D**=5lb, $28.00, **E**=10lb, $50.00, **K**=25lb, $105.00

**282FO Fortex OG** (60 days) CCOF ① **A**=1/2oz, $1.20 (~35 seeds), **B**=2oz, $3.50, *not available in larger sizes.*

**283GO German Pole OG** (64 days) **NEW!** MOFGA ① **A**=1/2oz, $1.20, *not available in larger sizes.*

**284BO Gold of Bacau Pole OG** (65 days) **NEW!** IA ② **A**=1/2oz, $1.20, **B**=2oz, $3.50, **C**=8oz, $10.00, **D**=1lb, $18.00, **E**=5lb, $75.00

**295LO Blue Coco OG** (72 days) **NEW!** QCS ② **A**=1/2oz, $1.20, **B**=2oz, $3.00, *not available in larger sizes.*

### Dry Beans

**307KO Black Kabouli Garbanzo OG** *Cicer arietinum* (115 days) **BACK!** OCIA ① **A**=2oz, $1.60, **B**=8oz, $4.50, **C**=1lb, $7.00, **D**=5lb, $28.00, **E**=10lb, $45.00 (105 seeds/oz)

**334CO Black Coco OG** (60 days shell, 85 days dry) MOFGA ① **A**=2oz, $1.50 (~110 seeds), *not available in larger sizes.*

**335TO Tiger Eye OG** (65 days shell, 85 days dry) **NEW!** ID ① **A**=2oz, $1.80, **B**=8oz, $6.00, **C**=1lb, $11.00, **D**=5lb, $45.00, **E**=10lb, $75.00

**337MO Maine Sunset OG** (85 days) BSO or MOFGA ① **A**=2oz, $1.30 (~180 seeds), **B**=8oz, $5.00, *not available in larger sizes.*

**343JO Jacob's Cattle OG** (88 days) NOFA-VT ① **A**=2oz, $1.60 (~80 seeds), **B**=8oz, $4.50, **C**=1lb, $7.00, **D**=5lb, $28.00, **E**=10lb, $50.00, **K**=25lb, $120.00, **L**=50lb, $220.00

**366PO Agate Pinto OG** (92 days) MOFGA ① **A**=2oz, $1.40 (~130 seeds), **B**=8oz, $4.50, **C**=1lb, $7.00, **D**=5lb, $30.00, **E**=10lb, $50.00

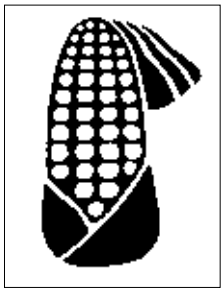
**371CO True Red Cranberry Pole OG** (95 days) OCIA ① **A**=2oz, $2.00, **B**=8oz, $7.50, **C**=1lb, $13.00, **D**=5lb, $60.00, *not available in larger sizes.*

### SOYBEANS *Glycine max*

**485BO Beer Friend OG** (87 days) MOFGA ① **A**=1/2oz, $2.00 (~37 seeds), **B**=2oz, $4.50, **C**=8oz, $16.00, **D**=1lb, $30.00

**489FO Shirofumi OG** (90 days) ID ① **A**=1/2oz, $1.50 (~42 seeds), **B**=2oz, $4.00, **C**=8oz, $10.00, **D**=1lb, $18.00

### SWEET CORN *Zea mays*



**516AO Ashworth OG** (72 days) OCIA ① **A**=2oz, $1.50 (~210 seeds), **B**=8oz, $5.20, **C**=1lb, $9.00, **D**=5lb, $42.00, **E**=10lb, $80.00

**588LO Luscious OG** (77 days) SE hybrid, CO ② **A**=2oz, $2.50 (~300 seeds), **B**=8oz, $9.50, **C**=1lb, $18.00, **D**=5lb, $85.00, **E**=10lb, $160.00

**636LO Luther Hill OG** (82 days) QCS ② **A**=2oz, $2.50 (~255 seeds), **B**=8oz, $8.50, *not available in larger sizes.*

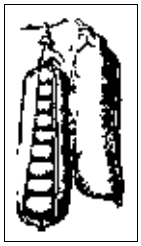
### ORNAMENTAL & DRY FIELD CORN

**678DO Dakota Black Popcorn OG** (100 days) IFOAM ① **A**=2oz, $1.80, **B**=8oz, $6.50, **C**=1lb, $12.00, **D**=5lb, $50.00, **E**=10lb, $95.00

**679BO Pennsylvania Dutch Butter Flavored Popcorn OG** (102 days) QCS ① **A**=2oz, $2.00, **B**=8oz, $7.50, **C**=1lb, $14.00, **D**=5lb, $65.00, **E**=10lb, $125.00

**680PO Painted Mountain OG** (85 days) MT ① **A**=2oz, $2.90 (~175 seeds), **B**=8oz, $11.00, *not available in size larger sizes.*

**682CO Abenaki Calais Flint OG** (88 days) NOFA-VT ① **A**=2oz, $1.60 (~225 seeds), **B**=8oz, $5.50, **C**=1lb, $9.50, **D**=5lb, $45.00, **E**=10lb, $85.00



## PEAS *Pisum sativum*

**772MO Miragreen OG** Shell pea. (68 days) OT ① **A**=2oz, $1.80 (~275 seeds), **B**=8oz, $6.00, *not available in larger sizes.*

**796VO Amplissimo Viktoria OG** Soup pea. (90 days) MOFGA ① **A**=2oz, $2.00, **B**=8oz, $6.50, **C**=1lb, $11.00, **D**=5lb, $45.00

## MUSKMELON *Cucumis melo*

**925GO Golden Gopher OG** (85 days) ID ① **A**=1/16oz, $1.60 (~46 seeds), **B**=1/4oz, $4.50, **C**=1/2oz, $7.50, **D**=1oz, $14.00

**946WO Pride of Wisconsin OG** (90 days) BSO ① **A**=1/16oz, $1.60, **B**=1/4oz, $4.50, **C**=1/2oz, $7.50

**948HO Harvest Queen OG** (92 days) ID ① **A**=1/16oz, $1.60 (~44 seeds), **B**=1/4oz, $4.50, **C**=1/2oz, $7.50

## WATERMELON *Citrullus lanatus*

**957MO Early Moonbeam OG** (78 days) BSO ① **A**=1/16oz, $1.60 (~35 seeds), **B**=1/4oz, $4.50, *not available in larger sizes*

**963SO Sugar Baby OG** (80 days) CCOF ③ **A**=1/16oz, $1.00, **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1lb, $28.00

**989CO Crimson Sweet OG** (90 days) **NEW!** CCOF ③ **A**=1/16oz, $1.10, **B**=1/4oz, $2.20, **C**=1/2oz, $4.00, **D**=1lb, $40.00

**992MO Moon and Stars OG** (100 days) CCOF ③ **A**=1/16oz, $1.60 (~20 seeds), **B**=1/4oz, $5.00, **C**=1/2oz, $8.00

## SLICING CUCUMBERS *Cucumis sativus*

**1308PO Poona Kheera OG** (60 days) **NEW!** MOFGA ① **A**=1/16oz, $1.20, **B**=1/4oz, $2.40, **C**=1/2oz, $3.60, **D**=1oz, $6.00, **E**=4oz, $22.00, **K**=1lb, $70.00

**1313MO Marketmore 76 OG** (63 days) CCOF ③ **A**=1/16oz, 90¢ (~85 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1oz, $4.00, **E**=4oz, $8.50, **K**=1lb, $25.00

**1358SO Suhyo Long OG** (61 days) OT or QCS ①② **A**=1g, $1.00 (~30 seeds), **B**=4g, $2.80, *not available in larger sizes.*

**1360BO Boothby's Blonde OG** (63 days) MOFGA ① **A**=0.5g, 70¢, **B**=2g, $2.00, **C**=4g, $3.20, **D**=16g, $5.20, **E**=64g, $15.00

## SUMMER SQUASH *Cucurbita pepo*

**1457CO Costata Romanesca OG** (60 days) MOFGA ① **A**=1/8oz, $1.20, **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $16.00, **K**=1lb, $60.00

**1539CO Early Summer Yellow Crookneck OG** (58 days) CCOF ③ **A**=1/8oz, $1.10 (~40 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.20, **D**=1oz, $4.50, **E**=4oz, $8.00, **K**=1lb, $25.00

## WINTER SQUASH *Cucurbita* spp.

**1604YO Paydon Heirloom Acorn OG** (105 days) *C. pepo* **NEW!** OT ① **A**=1/8oz, $1.20, **B**=1/4oz, $2.20, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $20.00, **K**=1lb, $70.00

**1630DO Uncle David's Dakota Dessert OG** (95 days) *C. maxima* IFOAM ① **A**=1/4oz, $2.00 (~31 seeds), **B**=1/2oz, $3.60, **C**=1oz, $6.60, *not available in larger sizes.*

**1640NO Ponca Butternut OG** (90 days) *C. moschata* **BACK!** OT ① **A**=1/8oz, $1.20 (~50 seeds), **B**=1/4oz, $2.20, **C**=1/2oz, $3.50, *not available in larger sizes.*

**1645WO Waltham Butternut OG** (105 days) *C. mos.* CCOF ③ **A**=1/4oz, $1.10 (~72 seeds), **B**=1/2oz, $2.00, **C**=1oz, $3.80, **D**=4oz, $10.00, **E**=1lb, $30.00

**1647CO Candy Roaster OG** (112 days) *C. max.* QCS ① **A**=1/8oz, $1.70 (~18 seeds), **B**=1/4oz, $3.20, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $30.00, **K**=1lb, $110.00

**1648ZO Zeppelin Delicata OG** (100 days) *C. p.* OT ① **A**=1/8oz, $1.60 (~22 seeds), **B**=1/4oz, $3.00, **C**=1/2oz, $5.50, **D**=1oz, $10.00, **E**=4oz, $30.00, **K**=1lb, $100.00

**1652GO Galeux d'Eysines OG** (98 days) *C. max.* BSO ① **A**=1/16oz, $1.80, **B**=1/8oz, $3.40, **C**=1/4oz, $6.20, **D**=1/2oz, $12.00, **E**=1oz, $22.00, **K**=4oz, $60.00

**1653HO Green Hokkaido OG** (98 days) *C. max.* OT ① **A**=1/8oz, $1.20 (~15 seeds), **B**=1/4oz, $2.20, **C**=1/2oz, $4.20, **D**=1oz, $7.50, **E**=4oz, $24.00, *not available in size K, order size E.*

**1658SO Seminole OG** (105 days) *C. mos.* **NEW!** BSO ① **A**=1/8oz, $1.50, **B**=1/4oz, $2.80, *not available in larger sizes.*

## PUMPKINS *Cucurbita pepo*

**1718XO Winter Luxury OG** (100 days) BSO ① **A**=1/8oz, $1.40, **B**=1/4oz, $2.40, **C**=1/2oz, $4.40, **D**=1oz, $8.00, **E**=4oz, $22.00, **K**=1lb, $75.00

**1720NO New England Pie OG** (102 days) CCOF ③ **A**=1/4oz, $1.10 (~70 seeds), **B**=1/2oz, $2.00, **C**=1oz, $3.40, **D**=4oz, $7.50, **E**=1lb, $25.00, *not available in size K, order size E.*

**1723LO Long Pie OG** (102 days) MOFGA ① **A**=1/8oz, $1.10 (~13 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $6.50, **E**=4oz, $22.00, **K**=1lb, $75.00

**1743GO Lady Godiva OG** (110 days) *C. p.* **BACK!** BSO ① **A**=1/8oz, $1.30, **B**=1/4oz, $2.40, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $25.00

## CARROTS *Daucus carota*

**2068RO Atomic Red OG** (74 days) CCOF ③ **A**=1g, $1.80, **B**=3g, $5.00, **C**=6g, $8.00, **D**=24g, $20.00, **E**=120g, $90.00

**2076DO Danvers 126 OG** (75 days) CCOF ③ **A**=1/8oz, $1.00, **B**=1/2oz, $3.20, **C**=1oz, $5.50, **D**=4oz, $11.00, **E**=1lb, $28.00, **K**=5lb, $120.00

**2079KO Scarlet Keeper OG** (85 days) **BACK!** MOFGA or OT ① **A**=1g, $1.00, **B**=3g, $2.50, **C**=6g, $4.00, **D**=24g , $12.00, **E**=120g, $50.00

## BEETS *Beta vulgaris*

**2109WO Early Wonder Tall Top OG** (48 days) CCOF ③ **A**=1/8oz, 90¢ (~270 seeds), **B**=1/2oz, $1.60, **C**=1oz, $3.00, **D**=4oz, $6.00, **E**=1lb, $16.00, **K**=5lb, $70.00

**2121RO Red Ace OG** (50 days) PCO ⑤ **A**=1/8oz, $1.00, **B**=1/2oz, $3.00, **C**=1oz, $5.00, **D**=4oz, $12.00, **E**=1lb, $41.00, **K**=5lb, $200.00

**2128GO 3 Root Grex OG** (54 days) MOFGA or OT ① **A**=1/16oz, $1.20, *not available in larger sizes.*

**2137CO Chioggia OG** (55 days) CCOF ③ **A**=1/8oz, $1.10 (~70 seeds), **B**=1/2oz, $3.20, **C**=1oz, $5.00, **D**=4oz, $12.00, **E**=1lb, $40.00, *not available in size K, order size E.*

**2147GO Golden Detroit OG** (55 days) CCOF ①③ **A**=1/8oz, $1.40, **B**=1/2oz, $5.00, **C**=1oz, $9.00, **D**=4oz, $30.00, **E**=1lb, $110.00

**2183DO So-Called Detroit Dark Red Medium Top OG** (60 days) CCOF ③ **A**=1/8oz, 90¢, **B**=1/2oz, $1.50, **C**=1oz, $2.80, *not available in larger sizes.*

**2187BO Bull's Blood OG** (60 days) PCO ⑤ **A**=1/8oz, $1.40 (~180 seeds), **B**=1/2oz, $3.00, **C**=1oz, $5.00, **D**=4oz, $15.00, **E**=1lb, $45.00

## RADISHES *Raphanus sativus*

**2268MO Misato Rose OG** (60 days) MT ① **A**=1/8oz, $1.30, **B**=1/2oz, $4.00, **C**=1oz, $7.00, **D**=4oz, $22.00, **E**=1lb, $68.00

## SKIRRET *Sium sisarum*

**2327KO Skirret OG** (120 days) MOFGA ① **A**=0.2g, 90¢, **B**=1g, $2.50, **C**=4g, $8.00

## TURNIPS *Brassica* spp.

**2379WO Purple Top White Globe OG** (50 days) *B. rapa* CCOF ③ **A**=1/8oz, 70¢ (~1750 seeds), **B**=1/2oz, $1.50, **C**=1oz, $2.50, **D**=4oz, $4.00, **E**=1lb, $7.00, **K**=5lb, $32.00

## LEEKS & ONIONS *Allium* spp.

**2411KO King Sieg OG** (84 days) *A. porrum.* Leek. ID ① **A**=1/16oz, $1.50 (~700 seeds), **B**=1/8oz, $2.50, **C**=1/2oz, $8.00, **D**=1oz, $15.00, **E**=4oz, $40.00, **K**=1lb, $120.00

**2474DO Clear Dawn OG** (104 days) *A. cepa* ID ① **A**=1/16oz, $1.40, **B**=1/8oz, $2.50, **C**=1/2oz, $8.00, **D**=1oz, $15.00, **E**=4oz, $55.00, **K**=1lb, $200.00

## SPINACH *Spinacea oleracea*

**2541LO Long Standing Bloomsdale OG** (42 days) OT **A**=1/4oz, $1.00, **B**=1/2oz, $1.80, **C**=1oz, $3.00, **D**=4oz, $7.50, **E**=1lb, $26.00, **K**=5lb, $125.00

**2551TO Tyee OG** (44 days) PCO ⑤ **A**=1/4oz, $1.10, **B**=1/2oz, $2.00, **C**=1oz, $3.50, **D**=4oz, $8.50, **E**=1lb, $30.00, **K**=5lb, $140.00

## LETTUCE *Lactuca sativa*

### Looseleaf and Oakleaf

**2712BO Black Seeded Simpson OG** (42 days) CCOF or QAI ③② **A**=2g, 80¢, **B**=4g, $1.30, **C**=14g, $2.20, **D**=28g, $4.00, **E**=112g, $8.00, **K**=448g, $26.00

**2713GO Green Ice OG** (45 days) OT ② **A**=1g, $1.50 (~900 seeds), **B**=2g, $2.80, **C**=4g, $5.00, *not available in larger sizes.*

**2723SO Salad Bowl OG** (46 days) CCOF ③ **A**=2g, 90¢, **B**=4g, $1.40, **C**=14g, $3.20, **D**=28g, $5.50, **E**=112g, $10.00, **K**=448g, $28.00

**2729RO Red Salad Bowl OG** (46 days) CCOF ③ **A**=2g, 90¢, **B**=4g, $1.40, **C**=14g, $3.20, **D**=28g, $5.50, **E**=112g, $10.00, **K**=448g, $28.00

**2731CO Cracoviensis OG** (47 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80,**C**=4g, $3.30, **D**=14g, $6.00, **E**=28g, $11.00, **K**=112g, $40.00

**2732GO Strela Green OG** (46 days) OT ① **A**=1g, $1.50, **B**=2g, $2.80, **C**=4g, $5.20, *not available in larger sizes.*

**2738AO Antares OG** (48 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**2740DO Green Deer Tongue OG** (48 days) MT or CCOF ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $6.00

**2744RO Really Red Deer Tongue Gene-Pool OG** (48 days) OT ① **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.50, **D**=14g, $7.00, **E**=28g, $13.00

**2761RO Red Sails OG** (49 days) ID ① **A**=2g, $1.50, **B**=4g, $2.80, **C**=14g, $6.00, **D**=28g, $11.00, **E**=112g, $35.00, **K**=448g, $135.00

**2764BO Blushed Butter Oaks OG** (49 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**2766GO Blushed Icy Oak Gene Pool OG** (49 days) OT ① **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $3.00, **D**=14g, $8.00, *not available in larger sizes.*

**2767DO Les Orielles du Diable OG (Devil's Ears)** (50 days) CCOF ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $35.00

**2768LO Lingue di Canarino OG (Canary Tongue)** (50 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $35.00

**2771RO Royal Oakleaf OG** (50 days) CCOF ③ **A**=1g, 90¢, **B**=2g, $1.70, **C**=4g, $3.00, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $32.00

**2773HO Hyper Red Rumple Waved OG** (50 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**2775FO New Red Fire OG** (51 days) OT ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.20, **D**=14g, $10.00, **E**=28g, $18.00, **K**=112g, $65.00

**2780RO Rossimo OG** (52 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $11.00, **K**=112g, $35.00

**2784FO Flashy Green Butter Oak OG** (54 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**2785TO Italienischer OG** (55 days) Stellar NOP or OT ①② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $40.00

**2788MO Merlot OG** (32 days baby, 60 mature) OT ① **A**=1g, $1.30, **B**=2g, $2.40, **C**=4g, $4.50, **D**=14g, $15.00, **E**=28g, $28.00, **K**=112g, $100.00

**2791TO Tango OG** (45 days) **NEW!** OT ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $36.00

**2792RO Revolution OG** (48 days) **NEW!** OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $11.00

**6412BO De Morges Braun OG** (64 days) MT ① **A**=1g, 80¢, *not available in larger sizes.*

## Bibb and Butterhead

**2812BO Buttercrunch OG** (50 days) CCOF ③ **A**=2g, 90¢, **B**=4g, $1.50, **C**=14g, $2.60, **D**=28g, $4.00, **E**=112g, $10.00, **K**=448g, $24.00

**2828PO Pirat OG** (55 days) OT ①② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $35.00

**2831SO Speckled OG** (55 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00

**2834VO Sweet Valentine OG** (56 days) OT ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $16.00, **K**=112g, $50.00

**2847KO Kinemontpas OG** (60 days) CCOF ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $11.00, **K**=112g, $35.00

## Romaine, Cos, Batavian, Crisphead

**2854BO Blushed Butter Cos OG** (49 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00

**2858FO Forellenschluss OG** (56 days) CCOF ③ **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $5.00, **E**=28g, $8.00, **K**=112g, $25.00

**2861JO Jericho OG** (60 days) Agrior ③ **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $45.00

**2866RO Rouge d'Hiver OG** (65 days) CCOF ③ **A**=2g, 80¢, **B**=4g, $1.50, **C**=14g, $2.80, **D**=28g, $4.00, **E**=112g, $7.00, **K**=448g, $20.00

**2867PO Plato II OG** (65 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $11.00, **K**=448g, $35.00

**2872BO Brune d'Hiver OG** (65 days) OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $12.00, **K**=112g, $40.00

**2874LO Olga OG** (66 days) **NEW!** OT ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00

**2883CO Crisp Mint OG** (70 days) IA or Stellar NOP ①② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**2905DO Cardinale OG** (48 days) **NEW!** OT ① **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00

**2910MO Michelle OG** (52 days) CCOF ③ **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $8.00, **E**=28g, $15.00, **K**=112g, $55.00

**2921NO Anuenue OG** (72 days) CCOF ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $8.00, **E**=28g, $15.00, **K**=112g, $55.00

**2923RO Red Iceberg OG** (63 days) **NEW!** OT ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $8.00, **E**=28g, $15.00, **K**=112g, $55.00

## Mixes

**2981LO Lettuce Mix OG** **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.50, **D**=14g, $9.00, **E**=28g, $15.00, **K**=112g, $55.00

**2993GO Greens Mix OG** **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.50, **D**=14g, $9.00, **E**=28g, $15.00, **K**=112g, $55.00

## GREENS

**3008HO Hopi Red Dye Amaranth OG** *A. cruentus* (46 days) MOFGA or BSO ① **A**=1/16oz, $1.10, **B**=1/8oz, $2.00, **C**=1/2oz, $5.00, **D**=1oz, $8.00, *not available in larger sizes.*

**3023AO Arugula OG** (47 days) *Eruca sativa* CCOF or QAI ③② **A**=1/16oz, $1.00 (~820 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.00, **D**=1oz, $4.00, **E**=4oz, $7.00, **K**=1lb, $24.00

**3038GO Golden Chard OG** (56 days) *Beta vulgaris* (cicla group) CCOF or OT ③① **A**=1/16oz, $1.00, **B**=1/8oz, $1.80, **C**=1/2oz, $3.20, **D**=1oz, $5.50, **E**=4oz, $16.00, **K**=1lb, $60.00

**3041RO Rhubarb Supreme Chard OG** (59 days) *B. v.* (cicla group) **NEW!** OT ② **A**=1/16oz, $1.00, **B**=1/8oz, $1.80, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $22.00, **K**=1lb, $80.00

**3045CO Chervil OG** (60 days) *Anthriscus cerefolium* BSO or OT ① **A**=1/16oz, $1.00 (~770 seeds), **B**=1/8oz, $1.80, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $22.00, **K**=1lb, $80.00

**3056WO Wrinkled Crinkled Crumpled Cress OG** (30 days) *Lepidum sativum* OT ① **A**=1/16oz, 90¢ (~850 seeds), **B**=1/8oz, $1.60, **C**=1/2oz, $3.50, **D**=1oz, $6.50, **E**=4oz, $16.00, **K**=1lb, $52.00

**3063FO Très Fine Maraîchère Olesh Endive OG** (42 days) *Cichorium endivia* Agrior ③ **A**=1/16oz, $1.50, **B**=1/8oz, $2.80, **C**=1/2oz, $8.00, **D**=1oz, $14.00, **E**=4oz, $50.00, **K**=1lb, $180.00

**3148RO Triple Purple Orach OG** (38 days) *Atriplex hortensis* OT ① **A**=1/16oz, $1.20 (~250 seeds), **B**=1/8oz, $2.20, **C**=1/2oz, $5.50, **D**=1oz, $9.00, **E**=4oz, $32.00, **K**=1lb, $110.00

**3170DO Dark Green Italian Parsley OG** (78 days) *Petroselinum crispum* **NEW!** PCO ⑤ **A**=1/16oz, 70¢, **B**=1/8oz, $1.20, **C**=1/2oz, $2.20, **D**=1oz, $4.00, **E**=4oz, $10.00, **K**=1lb, $35.00

**3182GO Golden Purslane OG** (50 days) *Portulaca oleracea* var. *sativa* OT ① **A**=0.5g, $1.40 (~1200 seeds), **B**=1g, $2.50, **C**=2g, $4.50, **D**=8g, $9.00, **E**=16g, $12.00, **K**=32g, $22.00

## SEASON-EXTENDING GREENS

**3193AO Ice-Bred Arugula OG** (47 days) *Eruca sativa* MD ① **A**=1g, $2.00, **B**=2g, $3.80, **C**=4g, $7.00, **D**=1oz, $40.00, **E**=4oz, $150.00

**3195CO Even'Star Champion Collards OG** (60 days) *Brassica oleracea* (acephala group) **NEW!** MD ① **A**=2g, $2.00, **B**=4g, $3.80, **C**=14g, $12.00, **D**=28g, $22.00, **E**=112g, $85.00

**3197TO Tenderleaf Mustard OG** (45 days) *B. rapa* **NEW!** MD ① **A**=1/16oz, $2.00, **B**=1/8oz, $3.80, **C**=1/2oz, $12.00, **D**=1oz, $22.00, **E**=4oz, $85.00

**3198SO Even'Star Land-Race Tatsoi OG** (45 days) *B. r.* **NEW!** MD ① **A**=1/16oz, $2.00, **B**=1/8oz, $3.80, **C**=1/2oz, $12.00, **D**=1oz, $22.00, **E**=4oz, $85.00

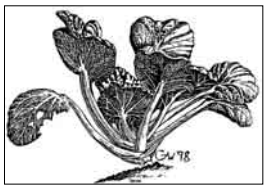
## ASIAN GREENS *Brassica* spp.

**3230MO Mizspoona Salad Selects GP OG** (40 days) OT ① **A**=1/16oz, $1.30, **B**=1/8oz, $2.40, **C**=1/2oz, $6.00, **D**=1oz, $10.00, **E**=4oz, $35.00, **K**=1lb, $105.00

**3232PO Pung Pop Mustard Gene Pool OG** (40 days) OT ① **A**=1/16oz, $1.30, **B**=1/8oz, $2.40, **C**=1/2oz, $6.00, **D**=1oz, $10.00, **E**=4oz, $35.00, **K**=1lb, $105.00

**3234LO Pink Lettucy Mustard Gene Pool** (40 days) OT ① **A**=1/16oz, $1.30, **B**=1/8oz, $2.40, **C**=1/2oz, $6.50, **D**=1oz, $12.00, **E**=4oz, $38.00, **K**=1lb, $110.00

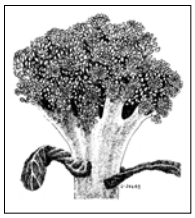
**3236RO Red Giant Mustard OG** (45 days) *B. juncea* (integlifolia group) CCOF ③ **A**=1/16oz, $1.10 (~880 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $5.00, **E**=4oz, $12.00, **K**=1lb, $35.00



**3245TO Tatsoi OG** (45 days) *B. rapa* (narinosa group) CCOF ③ **A**=1/16oz, $1.20 (~850 seeds), **B**=1/8oz, $2.20, **C**=1/2oz, $4.00, *not available in larger sizes.*

**3270PO Prize Choy Pac Choi OG** (50 days) *B. r.* (chinensis group) OT ① **A**=1/16oz, $1.30 (~760 seeds), **B**=1/8oz, $2.40, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $35.00, **K**=1lb, $105.00

## BROCCOLI *B. oleracea* (botrytis group)



**3310TO Thompson OG** (92 days) CCOF ① **A**=2g, $1.10 (~400 seeds), **B**=4g, $2.00, **C**=14g, $4.00, **D**=28g, $7.00, **E**=112g, $25.00, **K**=448g, $75.00
**3314UO Umpqua OG** (95 days) **BACK!** OT ① **A**=2g, $1.20, **B**=4g, $2.20, **C**=14g, $4.50, **D**=28g, $8.00, **E**=112g, $25.00, **K**=448g, $80.00
**3456PO Purple Peacock OG** (92 days) **BACK!** OT ① **A**=0.5g, $1.00, **B**=1g, $1.80, **C**=4g, $6.00, **D**=14g, $12.00, **E**=28g, $20.00

## KALE *B. napus* (pabularia group)

**3383RO Red Russian OG** (60 days) CCOF ③ **A**=2g, 90¢ (~800 seeds), **B**=4g, $1.60, **C**=14g, $3.20, **D**=28g, $5.00, **E**=112g, $13.00, **K**=448g, $40.00
**3385WO White Russian OG** (60 days) OT ① **A**=2g, $1.40 (~490 seeds), **B**=4g, $2.50, **C**=14g, $7.00, **D**=28g, $12.00, **E**=112g, $40.00, **K**=448g, $140.00

## GLOBE ARTICHOKE *Cynara scolymus*

**3608SO Imperial Star OG** (120 days) Agrior ③ **A**=0.5g, $1.20 (~10 seeds), **B**=1g, $2.20, **C**=4g, $8.00, **D**=28g, $38.00

## CELERY & CELERIAC *Apium graveolens*

**3624VO Ventura Celery OG** (80 days) *A. g.* var. *dulce* Stellar ② **A**=0.2g, $1.20, *not available in larger sizes.*
**3630RO Redventure OG** (84 days) F-1 hybrid. OT ① **A**=0.2g, $1.20 (~950 seeds), **B**=0.4g, $2.20, **C**=1g, $3.60, **D**=4g, $6.50, **E**=28g, $20.00
**3632PO Par-Cel Cutting Celery OG** (72 days) BSO ① **A**=0.2g, $1.00 (~400 seeds), **B**=0.4g, $1.80, **C**=1g, $3.50, **D**=4g, $9.00, *not available in larger sizes.*

## EGGPLANT *Solanum melongena*

**3678AO Applegreen OG** (70 days) IA ② **A**=0.2g, $1.00 (~60 seeds), **B**=0.4g, $1.80, **C**=1g, $2.80, **D**=4g, $4.50, **E**=28g, $20.00

## SWEET PEPPERS *Capsicum annuum*

**3703KO Klari Baby Cheese OG** (65 days) MOFGA ① **A**=0.5g, $1.60, **B**=1g, $3.00, **C**=2g, $5.50, **D**=4g, $10.00, **E**=28g, $60.00
**3706NO King of the North OG** (70 days) ID ① **A**=0.5g, $1.20 (~100 seeds), **B**=1g, $1.80, **C**=2g, $3.00, **D**=4g, $5.00, **E**=28g, $25.00
**3728SO Staddon's Select OG** (74 days) OT ② **A**=0.2g, $1.00 (~100 seeds), **B**=0.4g, $1.80, **C**=1g, $4.00, **D**=2g, $7.00, **E**=4g, $12.00
**3730JO Jimmy Nardello's OG** (76 days) IA ② **A**=0.2g, $1.30, **B**=0.4g, $2.50, **C**=1g, $5.00, **D**=2g, $8.00, **E**=4g, $15.00
**3735CO Chocolate OG** (80 days) MOFGA ① **A**=0.2g, $1.50 (~30 seeds), **B**=0.4g, $2.70, **C**=1g, $5.50, **D**=2g, $8.00, **E**=4g, $15.00, **K**=14g, $45.00
**3741PO Amish Pimiento OG** (85 days) MOFGA ① **A**=.2g, $1.00, *not available in larger sizes.*
**3744TO Tangerine Pimiento OG** (85 days) OT ② **A**=.2g, $1.00 (~24 seeds), **B**=0.4g, $1.80, **C**=1g, $3.00, **D**=2g, $5.50, **E**=4g, $10.00, **K**=14g, $30.00

## HOT PEPPERS

**3751PO Hot Portugal OG** (64 days) MOFGA ① **A**=0.2g, $1.10 (~32 seeds), **B**=0.4g, $2.00, **C**=1g, $3.50, **D**=2g, $5.00, **E**=4g, $9.00
**3753CO Czech Black OG** (65 days) MOFGA ① **A**=0.2g, $1.50 (~30 seeds), **B**=0.4g, $2.50, **C**=1g, $5.00, **D**=2g, $7.50, **E**=4g, $14.00
**3773MO Matchbox OG** (75 days) MOFGA ① **A**=0.2g, $1.50 (~66 seeds), **B**=0.4g, $2.50, **C**=1g, $5.00, **D**=2g, $7.50, **E**=4g, $14.00
**3781FO Fish OG** (80 days) OT ② **A**=0.2g, $1.30, **B**=0.4g, $2.40, **C**=1g, $4.50, **D**=2g, $7.50, **E**=4g, $12.00, **K**=14g, $36.00
**3783TO Thai Hot OG** (82 days) MOFGA ① **A**=0.2g, $1.60 (~66 seeds), **B**=0.4g, $2.80, **C**=1g, $5.50, **D**=2g, $8.00, **E**=4g, $15.00, **K**=14g, $50.00
**3792AO Ancho 101 OG** (85 days) **BACK!** MOFGA ① **A**=0.2g, 80¢, *not available in larger sizes.*
**3794LO Limon Chile OG** (88 days) *C. frutescens* MOFGA ① **A**=0.2g, $1.60, **B**=0.4g, $2.80, **C**=1g, $5.50, **D**=2g, $8.00, **E**=4g, $15.00, **K**=14g, $50.00

## TOMATILLO *Physalis ixocarpa*

**4014VO Verde Puebla OG** (56 days) **NEW!** MOFGA ① **A**=0.2g, $1.20 (~265 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

## TOMATOES *Lycopersicon esculentum*

**4018LO Glacier OG** (56 days) Det. NOFA-VT or MOFGA ②① **A**=0.2g, $1.20 (~65 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4032GO Ida Gold OG** (59 days) Det. MOFGA ① **A**=0.2g, $1.20 (~260 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4038CO Cosmonaut Volkov OG** (65 days) Ind. MOFGA ① **A**=0.2g, $1.20 (~65 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4046PO Garden Peach OG** (71 days) Ind. MOFGA ① **A**=0.2g, $1.20 (~250 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4048RO Pruden's Purple OG** (72 days) Ind. MOFGA or CCOF ①③ **A**=0.5g, $1.20, **B**=1g, $2.20, **C**=2g, $3.80, **D**=4g, $7.00, **E**=28g, $42.00

**4054BO Bonny Best OG** (75 days) Ind. **BACK!** MOFGA ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4057TO Rutgers OG** (75 day) Ind. MOFGA ① **A**=0.2g, $1.20 (~135 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4058GO Green Zebra OG** (77 days) Ind. OT ② **A**=0.2g, $1.20 (~165 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4059CO Cherokee Purple OG** (77 days) Ind. IA or CCOF or MOFGA ①②③ **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4061KO Black Krim OG** (80 days) Ind. MOFGA ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4065JO Jubilee OG** (80 days) Ind. MOFGA ① **A**=0.2g, $1.20 (~120 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4067RO Rose de Berne OG** (80 days) Ind. MOFGA ① **A**=0.2g, $1.20 (~60 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4069JO German Johnson OG** (80 days) Ind. MOFGA ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4075BO Brandywine OG** (82 days) Ind. MOFGA or IFOAM ① **A**=0.5g, $1.20 (~190 seeds), **B**=1g, $2.20, **C**=2g, $3.80, **D**=4g, $7.00, **E**=28g, $42.00
**4076YO Yellow Brandywine OG** (82 days) Ind. MOFGA ① **A**=0.2g, $1.20 (~100 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $24.00
**4077NO Pineapple OG** (85 days) Ind. MOFGA ① **A**=0.2g, $1.20 (~150 seeds), **B**=.4g, $2.00, **C**=1g, $3.20, *not available in larger sizes.*
**4080AO Aunt Ruby's German Green OG** (85 days) Ind. MOFGA ① **A**=0.2g, $1.00 (~59 seeds), **B**=0.4g, $1.80, **C**=1g, $3.00, **D**=2g, $5.00, **E**=10g, $18.00
**4084HO Schimmeig Striped Hollow OG** (85 days) Ind. MOFGA ① **A**=0.2g, $1.10 (~59 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4087TO Tiffen Mennonite OG** (86 days) Ind. OT ② **A**=0.5g, 90¢ (~150 seeds), **B**=1g, $1.60, **C**=2g, $2.80, **D**=4g, $4.20, **E**=28g, $18.00
**4091LO Lillian's Yellow Heirloom OG** (88 days) Ind. MOFGA ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4093GO Goldie OG** (90 days) Ind. MOFGA ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4097RO Ruby Gold OG** (90 days) Ind. MOFGA ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**6422TO Mark Twain OG** (85 days) Ind. MOFGA ① **A**=0.2g, $1.00 (~110 seeds)

### Cherry Tomatoes

**4117PO Principe Borghese Cherry OG** (75 days) MOFGA ① **A**=0.5g, $1.20, **B**=1g, $2.00, **C**=2g, $3.80, **D**=4g, $7.00, **E**=28g, $42.00
**4118TO Tess's Land Race Currant OG** (74 days) BSO ① **A**=0.2g, $1.40, **B**=0.4g, $2.20, **C**=1g, $3.60, **D**=2g, $6.00, **E**=10g, $22.00
**4119VO Peacevine Cherry OG** (78 days) Rampant ind. MOFGA ① **A**=0.2g, $1.20 (~130 seeds), *not available in larger sizes.*
**4120FO Fargo Yellow Pear OG** (82 days) Ind. OT ② **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

### Paste Tomatoes

**4125HO Heinz 2653 OG** (68 days) Det. MOFGA ① **A**=0.2g, $1.20 (~55 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4131GO Grandma Mary's OG** (68 days) Ind. MOFGA ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4135LO Bellstar OG** (74 days) Det. MOFGA or OT ③② **A**=0.2g, $1.20 (~95 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4136RO Speckled Roman OG** (85 days) Ind. IA or OT ②① **A**=0.2g, $1.20 (~70 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4137NO Orange Banana OG** (85 days) Ind. MOFGA or OT ①② **A**=0.2g, $1.20 (~200 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4140AO Amish Paste OG** (85 days) Ind. BSO or MOFGA ① **A**=0.2g, $1.20 (~70 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4141HO Hog Heart OG** (86 days) Ind. MOFGA **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00
**4146BO Blue Beech OG** (90 days) Ind. MOFGA ① **A**=0.2g, $1.40, **B**=0.4g, $2.40, **C**=1g, $3.50, **D**=2g, $6.00, **E**=10g, $28.00
**4149HO Heirloom Tomato Mix OG** **A**=0.2g, $1.10, **B**=0.4g, $1.80, **C**=1g, $2.80, **D**=2g, $4.20, **E**=10g, $18.00

## HERBS

**4407AO Anise Hyssop OG** *Agastache fœniculum* MT ① **A**=0.2g, $1.00 (~520 seeds), **B**=1g, $2.20, **C**=5g, $5.50, **D**=25g, $14.00 (2600 seeds/g)

**4409RO Arnica Chamissonis OG** *A. c.* OT ① **A**=0.02g, $1.00 (~50 seeds), **B**=0.1g, $3.00, *not available in larger sizes* (2500 seeds/g)

**4411WO Ashwagandha OG** *Withania somnifera* OT ① **A**=0.1g, $1.00 (~100 seeds), **B**=0.4g, $2.50, **C**=1.2g, $5.50, *not available in size D* (1,000 seeds/g)

**4412TO Astragalus OG** *A. membranaceus* Stellar NOP ① **A**=0.2g, $1.00 (~10 seeds), **B**=0.6g, $2.80, **C**=2.4g, $8.00, *not available in size D* (50 seeds/g)

### Basil *Ocimum basilicum*

**4415WO Sweet OG** *Not tested for fusarium.* PSO or PSO % **A**=4g, $1.50 (~2300 seeds), **B**=28g, $4.00, **C**=112g, $10.00, **D**=336g, $24.00 (576 seeds/g)

**4441RO Aromato OG NEW!** ③ **A**=0.5g, $1.20, **B**=3g, $2.50, **C**=12g, $6.00, **D**=36g, $14.00

**4448LO Lemon OG** *O. b. citriodorum. Not tested for fusarium.* CCOF ③ **A**=0.5g, $1.00 (~350 seeds), **B**=4g, $2.50, **C**=16g, $5.50, **D**=48g, $14.00 (700 seeds/g)

**4450MO Mrs. Burns Lemon OG** QAI ② **A**=0.5g, $1.00, **B**=4g, $2.20, **C**=20g, $6.00, **D**=60g, $14.00

**4464SO Sacred OG** *O. sanctum. Not tested for fusarium*. OT-certified. ① **A**=0.1g, 90¢ (~180 seeds), **B**=1g, $2.20, **C**=7g, $6.00, **D**=21g, $12.00 (1,800 seeds/g)

**4481BO Wild Bergamot OG** *Monarda fistulosa* MOFGA ① **A**=0.1g, $1.00 (~285 seeds), **B**=0.4g, $2.50, (2850 seeds/g) *not available in larger sizes.*

**4484HO Blessed Thistle OG** *Cnicus benedictus* OT ① **A**=0.5g, $1.00 (~20 seeds), **B**=3g, $2.50, **C**=15g, $7.00, **D**=45g, $18.00 (40 seeds/g)

**4491BO Borage OG** *Borago officinalis* Agrior ③ **A**=0.5g, $1.10 (~25 seeds), **B**=4g, $2.60, **C**=16g, $8.00, **D**=80g, $20.00 (50 seeds/g)

**4512CO Chives OG** *Allium Schoenoprasum* CCOF ③ **A**=0.5g, $1.00 (~450 seeds), **B**=7g, $2.50, **C**=28g, $6.00, **D**=112g, $15.00 (900 seeds/g)

**4515LO Cilantro OG** *Coriandrum sativum* CCOF ③ **A**=1g, $1.00 (~60 seeds), **B**=4g, $2.20, **C**=56g, $5.00, **D**=224g, $14.00 (60 seeds/g)

**4517RO Caribe Cilantro OG** *C. s.* **NEW!** SKAL ④ **A**=1g, $1.00, **B**=4g, $1.80, **C**=28g, $2.50, **D**=112g, $7.00, **E**=448g, $20.00

**4525CO Purple Coneflower OG** *Echinacea purpurea* MOFGA ① **A**=1g, $1.00 (~240 seeds), **B**=4g, $2.50, **C**=16g, $6.00, **D**=48g, $15.00 (240 seeds/g)

**4531BO Bouquet Dill OG** *Anethum graveolens* CCOF or QAI ②③ **A**=2g, 90¢ (~1400 seeds), **B**=8g, $2.00, **C**=40g, $5.00, **D**=200g, $12.00 (700 seeds/g)

**4550EO Elecampane OG** *Inula helenium* MOFGA ① **A**=0.1g, $1.00 (~160 seeds), **B**=0.3g, $2.50, **C**=1.2g, $6.00, **D**=3.6g, $12.00 (1600 seeds/g)

**4567BO Bronze Fennel OG** *Foeniculum vulgare* OT ① **A**=0.2g, $1.00 (~75 seeds), **B**=0.6g, $2.50, **C**=3g, $5.50, **D**=30g, $14.00 (375 seeds/g)

**4572FO Feverfew OG** *Tanacetum parthenium* MT ① **A**=0.1g, $1.00 (~500 seeds), **B**=0.4g, $2.20, **C**=2g, $5.50, **D**=8g, $12.00 (5000 seeds/g)

**4586VO Lavender OG** *Lavandula angustifolia* CCOF ③ **A**=0.2g, $1.00 (~200 seeds), **B**=1g, $2.50, **C**=5g, $5.50, **D**=20g, $12.00 (1000 seeds/g)

**4619MO Marshmallow OG** *Althaea officinalis* MOFGA ① **A**=0.4g, $1.00 (~260 seeds), **B**=1.2g, $2.50, **C**=6g, $5.50, **D**=24g, $14.00 (650 seeds/g)

**4630TO Milk Thistle OG** *Silybum marianum* Agrior ③ **A**=1g, $1.00 (~40 seeds), **B**=4g, $2.50, **C**=28g, $6.00 (40 seeds/g)

**4644SO Stinging Nettle OG** *Urtica dioica* MOFGA ① **A**=0.2g, $1.00 (~1240 seeds), **B**=0.6g, $2.50, **C**=2.4g, $5.50, **D**=7.2g, $12.00 (6,200 seeds/g)

**4665SO Broadleaf Sage OG** *Salvia officinalis* CCOF or QAI ②③ **A**=1g, $1.00 (~125 seeds), **B**=4g, $2.20, **C**=16g, $5.00, **D**=48g, $12.00 (125 seeds/g)

**4682MO Mad-dog Skullcap OG** *Scuttelaria lateriflora* ② **A**=0.05g, $1.20 (~29 seeds), **B**=0.2g, $3.00, **C**=0.8g, $7.00, **D**=2.4g, $16.00 (580 seeds/g)

**4683SO Spilanthes OG** *S. oleracea* MOFGA ① **A**=0.02g, $1.10 (~60 seeds), **B**=0.08g, $2.80, **C**=0.32g, $7.50, **D**=0.96g, $19.00 (3000 seeds/g)

**4690VO Valerian OG** *Valeriana officinalis* WA ① MOFGA ③ **A**=0.2g, 90¢ (~160 seeds), **B**=0.6g, $2.20, **C**=2.4g, $5.50, **D**=7.2g, $12.00 (800 seeds/g)

**4692BO Blue Vervain OG** *Verbena hastata* WA ① WA ① **A**=0.1g, $1.00 (~80 seeds), **B**=0.4g, $2.50, **C**=4g, $5.50, **D**=12g, $12.00 (800 seeds/g)

## ANNUAL FLOWERS

**5013EO Elephant Head Amaranth OG** *A. gangeticus* OT ① **A**=0.1g (~150 seeds), $1.00, **B**=0.3g, $2.50, **C**=1.2g, $5.50, **D**=6g, $20.00 (1500 seeds/g)

### Calendula *C. officinalis*

**5079FO Flashback OG** OT ① **A**=1g, $1.30, **B**=4g, $3.00, **C**=12g, $7.00, **D**=48g, $18.00

**5087RO Resina OG** Stellar NOP ① **A**=1g, $1.00 (~56 seeds), **B**=4g, $2.50, **C**=16g, $5.50, **D**=64g, $18.00 (56 seeds/g)

**5088LO Solar Flashback OG NEW!** OT ① **A**=1g, $1.30, **B**=4g, $3.00, **C**=12g, $7.00, **D**=48g, $18.00

**5089ZO Zeolights OG** OT ① **A**=1g, $1.10 (~150 seeds), **B**=4g, $2.50, **C**=12g, $7.00, **D**=1oz, $12.00 (150 seeds/g)

**5176KO Kiss-Me-over-the-Garden-Gate OG** *Polygonum orientale* MOFGA ① **A**=1g, $1.20 (~120 seeds), **B**=3g, $2.50, **C**=12g, $7.00 (120 seeds/g)

**5236TO Tashkent Marigold OG** *Tagetes patula* **BACK!** Stellar NOP ① **A**=1g, $1.20, **B**=3g, $3.00, **C**=9g, $7.00

**5275KO Kniola's Purple Morning Glory OG** *Ipomoea purpurea* MOFGA ① **A**=0.25g, $2.00 (~10 seeds), **B**=1g, $7.00 (40 seeds/g)

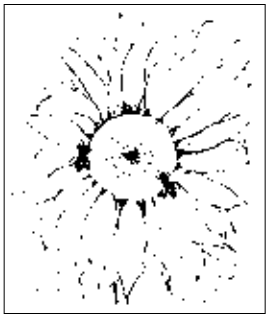
### Poppy *Papaver* spp.

**5318EO Elka OG** MOFGA ① **A**=0.1g, $1.00 (~700 seeds), **B**=0.3g, $2.50, **C**=1.2g, $5.00, **D**=6g, $12.00 (7000 seeds/g)

**5320ZO Ziar Breadseed OG** MOFGA ① **A**=0.1g, $1.00 (~700 seeds), **B**=0.3g, $2.50, **C**=1.2g, $6.00, **D**=6g, $12.00 (7000 seeds/g)

**5334LO Large Lavender OG** MOFGA ① **A**=0.2g, $1.00 (~1400 seeds), **B**=1g, $2.50, **C**=4g, $6.00 (7000 seeds/g)

### Sunflower *Helianthus annuus*



**5401AO Autumn Beauty Mix OG** CCOF or QAI ②③ **A**=1g, $1.00 (~45 seeds), **B**=4g, $2.40, **C**=28g, $6.00, **D**=1lb, $28.00 (45 seeds/g)

**5405LO Lemon Queen OG** QAI ② **A**=1g, 90¢ (~45 seeds), **B**=5g, $2.20, **C**=20g, $5.00, **D**=1lb, $52.00 (45 seeds/g)

**5421SO Selma Suns Mix OG** MOFGA ① **A**=1g, 90¢ (~55 seeds), **B**=3g, $2.20, **C**=12g, $6.00, **D**=120g, $30.00 (55 seeds/g)

**5427YO Soraya OG** OT ① **A**=0.5g, $1.80 (~30 seeds), **B**=4g, $6.00, **C**=1oz, $28.00 (60 seeds/g)

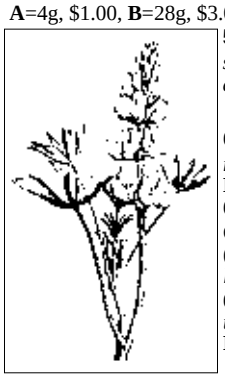
## EVERLASTINGS

**5774JO Job's Tears OG** *Coix lacryma-jobi* MOFGA ① **A**=2g, $1.10 (~10 seeds), **B**=6g, $2.80, **C**=24g, $9.00 (5 seeds/g)

**5884AO Sweet Annie OG** *Artemisia annua* WA ① **A**=0.2g, $1.20 (~50 seeds), **B**=0.6g, $3.00, **C**=4.8g, $7.00, **D**=24g, $30.00 (250 seeds/g)

## GRAINS & GRASSES

**5962TO Terra Hulless Oats OG** *Avena nuda* **BACK!** OT ① **A**=4g, $1.00, **B**=28g, $3.00, **C**=112g, $7.00



**5995UO Utrecht Blue Wheat OG** *Triticum spelta* OT ① **A**=4g, $1.20, **B**=20g, $5.00, *not available in larger sizes.*

## PERENNIAL FLOWERS

**6180BO Blackberry Lily OG** *Belamcanda chinensis* MOFGA ① **A**=0.4g, $2.00 (~15 seeds), **B**=1.2g, $5.00, **C**=3.6g, $12.00 (38 seeds/g)

**6187LO Russell Hybrids Choice Mix Lupine OG** *Lupinus polyphyllus* MOFGA ① **A**=1g, $1.30 (~25 seeds) (25 seeds/g), *not available in larger sizes.*

**6266QO Queen of the Meadow OG** *Eupatorium purpureum* WA ① **A**=0.02g, $1.10 (~56 seeds), **B**=0.1g, $3.00, **C**=0.4g, $6.00 (2809 seeds/g)

**Variety Descriptions** by CR Lawn - As indicated in the descriptions, some selections are more suitable for home gardeners than commercial growers. Farming/gardening is more an art than a science. Microclimate, soil type and cultural practices are among the many factors significantly affecting performance. Success in our trials is not a guarantee of success in your plot. We advise market growers to trial unfamiliar varieties on a small scale before making a full commitment.

As a guide to growers we've included information about disease tolerance and resistance provided by our suppliers. We are not plant pathologists and cannot guarantee that tolerant or resistant cultivars will never be harmed. Actual performance in the field depends on climate, weather and cultural practices which we cannot control. The absence of information on the older varieties does not mean they will keel over at the first sign of stress. While conscious breeding for disease tolerance/resistance began relatively recently, time-honored heirloom cultivars have proven adaptable to a variety of conditions. Following are abbreviations which appear after some variety descriptions. A number after the abbreviation indicates which race of pathogen.

| | | | |
|---|---|---|---|
| ALS | Angular Leaf Spot | NCLB | Northern Corn Leaf Blight |
| ALTS | Alternaria Leaf Spot | NY 15 | NY 15 Mosaic Virus |
| ANTH | Anthracnose | PEMV | Pea Enation Mosaic Virus |
| ASC | Alternaria Stem Canker | PLR | Pea Leaf Roll |
| BL | Black Leg | PM | Powdery Mildew |
| BLS | Bacterial Leaf Spot | PPMV | Pepper Mosaic Virus |
| BR | Black Rot | PR | Pink Rot |
| BS | Bacterial Speck | PRSV | Papaya Ring Spot Virus |
| BSR | Bacterial Soft Rot | PS | Peronospora |
| CBMV | Common Bean Mosaic Virus | PY | Potato Y virus |
| CLS | Cercospora Leaf Spot | S | Semphylium |
| CMV | Cucumber Mosaic Virus | SC | Sclerotinia |
| CTV | Curly Top Virus | SEPT | Septoria Leaf Spot |
| DM | Downy Mildew | SM | Smut |
| F | Fusarium | ST | Stewart's Wilt |
| FBR | Fusarium Basal Rot | TB | Tipburn |
| FY | Fusarium Yellows | TEV | Tobacco Etch Virus |
| GLS | Grey Leaf Spot | TMV | Tobacco Mosaic Virus |
| GSB | Gummy Stem Blight | V | Verticillium |
| LB | Late Blight | W | Common Wilt race 1 |
| LCV | Leaf Curl Virus | WMV | Watermelon Mosaic Virus |
| LMV | Lettuce Mosaic Virus | X | Xanthemonas |
| LS | Leaf Spot | YBM | Yellow Bean Mosaic |
| N | Nematodes | ZYMV | Zucchini Yellows Mosaic Virus |

**OG** after cultivar name = entire lot is certified-organic seed. See pages 10 and 11 for a key to abbreviations of certifying agencies and for more information about the OG and ECO designations.

**ECO** after cultivar name = entire lot is sustainably grown seed.

**PVP** after a variety description = the variety is patent protected. Unauthorized propagation of the seed is prohibited. The use of PVP in the catalog is for informational purposes only and in no way constitutes an endorsement by Fedco of plant patenting.

**AAS** = All-America Selection.

**Supplier Codes** - We include supplier codes for each variety. Varieties with more than one supplier may have two or more codes. We code according to our best information at press time. When seed is short we must sometimes change suppliers later in the season. With notable exceptions, we generally choose varieties based on their merits rather than on our supplier preferences. We do not offer genetically engineered varieties, although we purchase from corporations engaged in genetic engineering. Use the supplier codes to help you make your own choices about whom you are supporting and which varieties are best for your garden or farm. Codes are as follows:

① Small seed farmers including Fedco staff.
② Family-owned companies or cooperatives, domestic and foreign.
③ Domestic and foreign corporations not part of a larger conglomerate.
④ Multinationals not to our knowledge engaged in genetic engineering.
⑤ Multinationals who are engaged in genetic engineering.
⑥ Seminis/Monsanto. To be dropped when our current supply runs out.

**Prices** - Sizes and prices are at the end of each variety description. For larger quantities than listed see instructions for bulk orders of seed on p. 3. All seed prices are in 10¢ increments. Unless you owe sales tax, your adjusted total should always end in a zero!

**Vegetable Planting Guide** - See page 67.

**Seed Counts** - For general information for each crop see the Vegetable Planting Guide on page 67 or the headers for most vegetables. For specific information consult each variety description. Seeds per size-**A** packet are approximate. Please use as guides, not guarantees. They are based on actual counts from recent packets or information from our suppliers. Because seed size and count often vary from one year's crop to the next, past counts will provide only a rough approximation for 2007.

"…thank you for your principled stand on Monsanto's seeds. Once again you have empowered and facilitated our understanding and helped our farm hold our course. Like the honest and compostable catalog, and the unrivaled vigor and enthusiasm of your seeds, this latest decision…makes us strong, and gives us hope and courage…"
—Rebecca Randall Gilbert, Native Earth Teaching Farm, Chilmark, MA

## Fedco's Packet Rack Program for Retailers

In its second year in 2006, our rack program grew by 29%. Portable cardboard packet racks come in 28-slot modular units suitable for all our A-size packets. The top slots hold about 4 packets of peas, beans or corn; all slots hold at least 10 packets of the other crops. Order the following collections each with 28 or 56 varieties and either five or ten packets of each variety. Volume discounts apply; see below.

The collections:

**101 Popular Favorites** 28 best-selling varieties. 20 vegetables, 4 herbs, 4 flowers, 6 organic. **A**=5 packets of each with rack, $140.00, **B**=10 packets of each with rack, $260.00, **C**=5 packets of each without rack, $120.00, **D**=10 packets of each without rack, $240.00

**102 Popular Favorites** 56 best-selling varieties. 42 vegetables, 7 herbs, 7 flowers, 16 organic. **A**=5 packets of each with rack, $298.00, **B**=10 packets of each with rack, $576.00, **C**=5 packets of each without rack, $278.00, **D**=10 packets of each without rack, $556.00

**103 All Certified Organic** 28 best-selling organic varieties. 23 vegetables, 2 herbs, 3 flowers. **A**=5 packets of each with rack, $176.00, **B**=10 packets of each with rack, $332.00, **C**=5 packets of each without rack, $156.00, **D**=10 packets of each without rack, $312.00

**104 All Certified Organic** 56 best-selling varieties. 41 vegetables, 7 herbs, 8 flowers. **A**=5 packets of each with rack, $346.00, **B**=10 packets of each with rack, $672.00, **C**=5 packets of each without rack, $326.00, **D**=10 packets of each without rack, $652.00

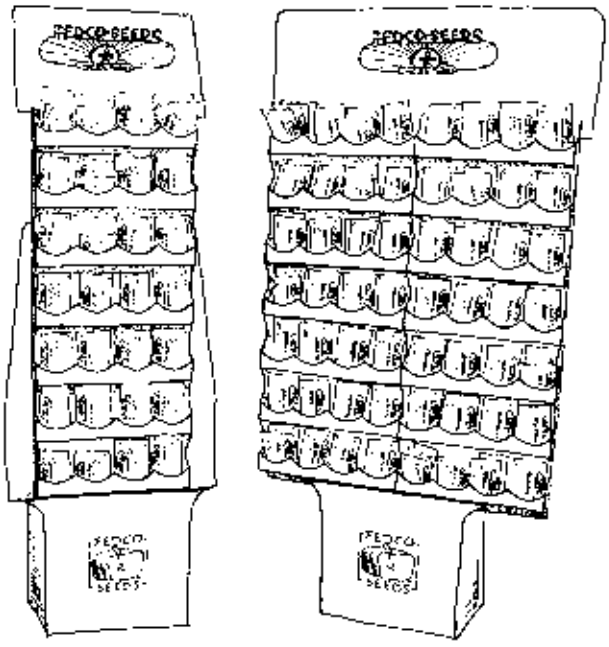
**105 Heirloom Collection** 28 heirloom varieties. 25 vegetables, 1 herb, 2 flowers, 13 organic. **A**=5 packets of each with rack, $163.00, **B**=10 packets of each with rack, $306.00, **C**=5 packets of each without rack, $143.00, **D**=10 packets of each without rack, $286.00

**106 Heirloom Collection** 56 heirloom varieties. 45 vegetables, 4 herbs, 7 flowers, 22 organic. **A**=5 packets of each with rack, $306.00, **B**=10 packets of each with rack, $592.00, **C**=5 packets of each without rack, $286.00, **D**=10 packets of each without rack, $572.00

Ground rules:

- Packets are our regular design. We will furnish samples on request.
- Pre-order, prepay.
- Free shipping on all orders.
- All reorders will be advanced to the front of the line for fast service.
- No returns.
- Collection orders qualify for all regular volume discounts. So do re-orders provided the amount exceeds $50.
- Collections may be combined with orders for individual packets to reach higher discount levels.
- Varieties our choice; no substitutions.
- Custom rack orders available. Choose your own items and the number of packets you desire of each. Minimum order $100 for custom racks.
- We will make substitutions if we run out of any items in the collections.
- Re-order requests will be honored until June 1.
- Store agrees to remove packets from racks by July 31 to avoid selling stale seed.
- No suggested retail. Determine the profit margin you need.

For a list of specific items in each collection, download from our website at www.fedcoseeds.com or write or call for a paper copy. We invite you to compare prices with any other packet rack service.



## BEANS *Phaseolus vulgaris*

**2 oz. packet sows 25 ft; 1 lb, 200 ft. All beans are open-pollinated.** Tender, will not survive frost. Plant 3-4 seeds/ft. in rows 24-30" apart. Pick frequently to keep beans producing, but stay out of the patch in wet weather to prevent spread of fungal diseases. White-seeded beans usually don't germinate as well as dark-seeded. Originally snap beans had tough zipper-like strings between the two halves of the pod which had to be removed before serving. Hence they were called "string beans."

### BUSH GREEN BEANS

**Provider** (50 days) Nothing provides like Provider. For highest early yields, even under adverse conditions, and rich beany taste, old reliable Provider can't be beat. Noted for its concentrated sets of round 5-5½" pods. Tied with Contender for earliest producer in our trials. Our best-selling bean all 29 years. We sold over 3,500 packages last year. Released by USDA in 1965. Purple seed. Resistant to CBMV, NY 15, PM, DM.

**204PR Provider** ③ **A**=2oz, $1.10 (~180 seeds), **B**=8oz, $3.00, **C**=1lb, $5.00, **D**=5lb, $15.00, **E**=10lb, $24.00, **K**=25lb, $55.00, **L**=50lb, $105.00

**205PO Provider OG** Beans sweeter, juicier and more tender than those from the commercial seed, but didn't store as well. CCOF or ID-certified. ①③ **A**=2oz, $1.80 (~180 seeds), **B**=8oz, $4.20, **C**=1lb, $7.50, **D**=5lb, $32.00, **E**=10lb, $60.00, **K**=25lb, $145.00, **L**=50lb, $275.00

**208BV Black Valentine** (52 days) Clear winner for heavy early yields and outstanding flavor in our test of 25 bush bean varieties a few years ago, besting many old favorites. Introduced by Peter Henderson & Co. in 1897. Although damned with faint praise by U.P. Hedrick in *The Vegetables of New York* in 1931, still retains popularity among home gardeners and canners. And deservedly so, for we do not find it stringy, or the black seeds overly prominent in the pods, as charged by Hedrick. Well-adapted to our cool temperatures, early, loaded with sweet succulent round beans in the first picking. Good for freezing, retaining a meaty texture. 6" pods with tendency to curve. Has some drought resistance, though later pickings yield only moderately. Black kidney-shaped seed. ③ **A**=2oz, $1.10 (~165 seeds), **B**=8oz, $3.00, **C**=1lb, $5.00, **D**=5lb, $15.00, **E**=10lb, $24.00, **K**=25lb, $55.00, **L**=50lb, $105.00

**210ST Strike** (53 days) Market growers will strike it rich with heavy yields of medium-green 5½" slender smooth straight round pods. Strike sets the standard for earliness, appearance, and ease of picking, and has a pleasing sweet beany taste. White seed. Resistant to NY 15 and CBMV. ③ **A**=2oz, $1.10 (~210 seeds), **B**=8oz, $3.50, **C**=1lb, $6.00, **D**=5lb, $20.00, **E**=10lb, $32.00, **K**=25lb, $75.00, **L**=50lb, $135.00

**214GC Greencrop** (53 days) An early flat-podded Romano type especially adapted to the North. Pods can grow up to 8" long while still retaining good quality. Bred by Albert F. Yeager and Elwyn Meader at the University of New Hampshire. 1957 AAS. White seed. Tolerant to CBMV. ③ **A**=2oz, $1.10 (~196 seeds), **B**=8oz, $3.00, **C**=1lb, $5.00, **D**=5lb, $15.00, **E**=10lb, $24.00, **K**=25lb, $55.00, **L**=50lb, $105.00

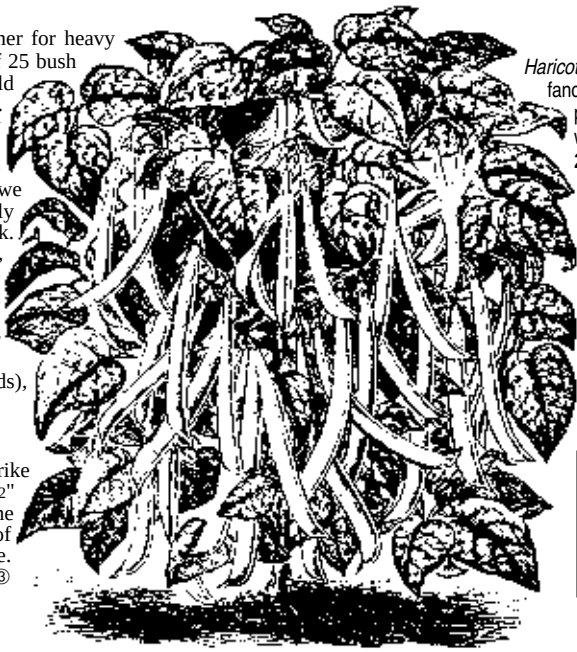
**Benchmark** (54 days) *Not available in 2007.*

**224RB Royal Burgundy** (55 days) Straight 5" meaty purple pods turn bright green after two minutes of blanching. Less foliage than Royalty Purple Pod. Grows well even in cold conditions. "With a 6-week drought we stopped picking for the summer and let them be U-pick.…They held up and produced until first frost in late September," reports Ann Elder of Ann Arbor, MI, CSA. Light brown seed. Resistant to CBMV, NY 15, PM. ③ **A**=2oz, $1.10 (~196 seeds), **B**=8oz, $3.00, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $25.00, **K**=25lb, $60.00, **L**=50lb, $110.00

**230JD Jade** (56 days) A favorite with both market and home gardeners, Jade produces great yields of tasty 5-7" straight slender round dark green beans that keep coming until late in the season, long after others have quit. Known for their holding quality, the tender pods with traditional bean flavor retain rich color longer than others, both on the vine and after picking. The highest-yielding and longest (6.6" avg.) of eight varieties trialed at Highmoor Farm in ME. Jade's strong upright bush habit holds pods above the ground, reducing curling and tip rot. PVP. Resistant to CBMV, NY 15, CTV, tolerant to rust. *Caution: white seed Jade is a fussier germinator than most other bush beans. Be sure your soil temperature is at least 60° and irrigate during dry spells.* ⑤ **A**=2oz, $1.60 (~200 seeds), **B**=8oz, $4.50, **C**=1lb, $7.00, **D**=5lb, $28.00, **E**=10lb, $45.00, **K**=25lb, $100.00, **L**=50lb, $190.00

**238BB Bush Blue Lake 274** (57 days) Introduced in 1961 as a bush variety of the famous Blue Lake pole bean. Long considered the taste standard for home garden bush bean varieties. Pods average 6", fill slowly with tender, plump beans. Very high yields of yummy green beans. White seed. Resistant to CBMV, NY 15. ③ **A**=2oz, $1.10 (~160 seeds), **B**=8oz, $3.00, **C**=1lb, $5.00, **D**=5lb, $15.00, **E**=10lb, $24.00, **K**=25lb, $55.00, **L**=50lb, $105.00

**246RM Roma II** (59 days) True flat bush Romano bean offers heavy yields of fleshy medium-green 5" pods which are slow to develop seeds. White seed. Resistant to CBMV, NY15. ③ **A**=2oz, $1.20 (~140 seeds), **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $25.00, **E**=10lb, $40.00, **K**=25lb, $90.00, **L**=50lb, $170.00



### BUSH HARICOTS VERTS

*Haricot vert* is French for green bean. This type has fancier quality than American beans and commands a premium in markets. For optimal flavor, pick pods while they are still thin before they develop strings.

**249MO Maxibel OG** (61 days) Heavy producer of uniform dark green fancy 6-8" pods of exceptional length, ramrod straightness and superb taste. "Heavenly, over-the-top, stupendous," coos Sandy Jennings of Cincinnati, OH. For maximum tenderness and most succulent flavor pick early and often. A gourmet market specialty. Speckled brown seed. ID-certified. ① **A**=½oz, 80¢ (~64 seeds), **B**=2oz, $1.80, **C**=8oz, $5.40, **D**=1lb, $10.50, **E**=5lb, $45.00, *not available in larger sizes.*

**All catalog prices are not created equal:** unlike most seed companies, we do not charge shipping on any orders over $25 to the continental U.S. When comparing prices also be sure to factor in our generous discounts.

## BUSH WAX BEANS

**264GI Indy Gold** (54 days) Tender yellow pods with attractive green tips average 5". Large plants are heavy yielders and won't be slowed by any caution flags. A good performer in cold, wet summers with adaptability comparable to Provider. Beans, held high off the ground, are easy to pick and hold well. White-seeded. Tolerates CBMV. In the yellow bean race, Indy waxes the competition. PVP. ⑤ **A**=2oz, $1.40 (~190 seeds), **B**=8oz, $4.00, **C**=1lb, $6.50, **D**=5lb, $25.00, **E**=10lb, $40.00, **K**=25lb, $90.00, **L**=50lb, $170.00 (93 seeds/oz)

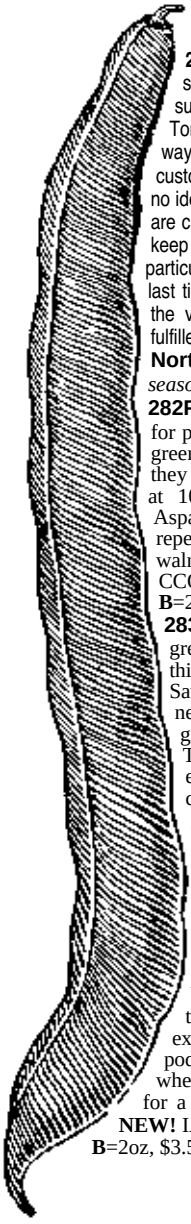
**270GB Golden Butterwax** (56 days) A white-seeded wax bean impressive for its rich yellow color and straight pods, Butterwax is less juicy than Golden Rocky or Rocdor, but beanier in our estimation. Resistant to CBMV, NY15, tolerant to ozone damage. ③ **A**=2oz, $1.10, **B**=8oz, $3.00, **C**=1lb, $5.00, **D**=5lb, $15.00, **E**=10lb, $24.00, **K**=25lb, $55.00, **L**=50lb, $105.00

**Dragon Langerie** (57 days) Tasty attractive heirloom from the Netherlands also known as Dragon's Tongue. Its compact stocky bushes bear abundant flat 6" creamy yellow pods mottled with purple tiger stripes. Crisp, stringless and amazingly juicy when eaten fresh. Cook or market promptly after picking; turns rubbery and loses snap when stored. Not recommended for freezing. Loses purple coloration in cooking. Seed purplish brown with blue stripes.

**276DL Dragon Langerie** ③ **A**=2oz, $1.20, **B**=8oz, $4.00, **C**=1lb, $6.00, *not available in larger sizes.*

**277DO Dragon Langerie OG** ID-certified. ① **A**=2oz, $1.60 (~120 seeds), **B**=8oz, $4.50, **C**=1lb, $7.50, **D**=5lb, $28.00, **E**=10lb, $50.00, **K**=25lb, $105.00

## POLE BEANS



**2 oz. packet sows 20 poles, 6 per pole.** We've used tipis for staking for years. Will Bonsall suggests letting them climb sunflower stalks (give the sunflowers a 2-week head start). Tom Stearns uses a long sturdy fence (the most space-efficient way). If you're saving seed, a good yield is 1 lb. per pole. One customer says, "Many people—even gardeners and cooks—have no idea how much better tasting pole beans are. Most bush beans are cardboard by comparison." Do your pole beans tire easily? To keep them vigorous, pick frequently and pick clean, paying particular attention to those fat ones hanging low that you missed last time. Compost the ones that got away; if you leave them on the vine your plants will stop producing, satisfied that they've fulfilled their reproductive mission.

**Northeaster OG** (55 days) Crop failure, *not available this season.*

**282FO Fortex OG** (60 days) Our preference over Emerité for pod length, vigor and tenderness. Although the medium green pods may be harvested at 6-7" for gourmet filet beans, they retain good quality and sweetness without strings even at 10". The only longer beans we know, Jumbo and Asparagus, are not nearly as tender. Vines stand up to repeated pickings, achieving impressive yields. Expensive walnut-brown seed is worth every penny. CCOF-certified. CCOF-certified. ① **A**=1/2oz, $1.20 (~35 seeds), **B**=2oz, $3.50, *not available in larger sizes.*

**283GO German Pole OG** (64 days) Sam Birch, who grew 105 kinds this year, knows his beans and really likes this one. This is not the German bean listed in Seed Savers which is black-seeded. These came from Sam's neighbor, Phil Wentzel. Their prolific wide flat pods grow a full foot, yet with surprisingly small white seeds. They stay tender even when quite long and may be enjoyed as green beans or shell beans. The vigorous climbers dwarfed Sam by a good two feet. A Fedco introduction. **NEW!** MOFGA-certified. ① **A**=1/2oz, $1.20. *Available in size A only.*

**284BO Gold of Bacau OG** (65 days) Intrepid breeder Robert Schick, also known as Relentless, says he would never do without this bean and grows it side-by-side with Northeaster. In his view, it compares to Northeaster in every way except it is yellow and about ten days later. He has grown a lot of yellow pole beans and never liked any until he tried Bacau. This tender productive Romano-type wax bean with excellent flavor hails from Bacau, Romania. The wide pods grow 6-10" and remain sweet and stringless even when the seeds begin to form. Customers have long asked for a wax pole bean and this is the best we've ever had. **NEW!** IA-certified. ② **A**=1/2oz, $1.20 (~28 seeds), **B**=2oz, $3.50, **C**=8oz, $10.00, **D**=1lb, $18.00, **E**=5lb, $75.00

**285KW Kentucky Wonder** (68 days) Also known as Old Homestead. "Of all the climbing kinds, we do not believe there is a better one than Kentucky Wonder; it is an old variety with solid meaty pods, 7-9" long, that are stringless when young, and when cooked no bean is better. It is enormously productive, the pods hanging in great clusters from top to bottom of the pole." Still as true today as when Stark Bros. wrote it in their 1921 catalog. Wonder, a favorite since the mid-1800s, was given its present name by the eminent Marblehead, MA, seedsman James J.H. Gregory in 1877. The nutty flavor makes them outstanding for freezing. Pick regularly to maintain quality and production. Not good when fat. Brown seeds. ③ **A**=2oz, $1.10 (~125 seeds), **B**=8oz, $3.50, **C**=1lb, $5.50, **D**=5lb, $16.00, **E**=10lb, $25.00, **K**=25lb, $60.00, **L**=50lb, $110.00

**292RS Rattlesnake** (70 days) Called Preacher Bean in parts of the South, Rattlesnake produces a good harvest of round 6-7" pods with purple streakings said to resemble the markings of a rattlesnake. "I would never go a season without these. They're later but have more flavor," avers Relentless of Garland, ME. Excellent for freezing. Tan seed with dark stripes. ③ **A**=2oz, $1.10 (~135 seeds), **B**=8oz, $3.50, **C**=1lb, $5.50, **D**=5lb, $16.00, **E**=10lb, $25.00, **K**=25lb, $60.00, **L**=50lb, $110.00

**295LO Blue Coco OG** (72 days snap) For years customers wanted a purple pole bean but until now we could find only pricey imports. A pre-1775 French heirloom named for its chocolate seeds and bluish-purple pods, Coco makes a handsome plant, its green leaves tinged with purple. Can serve as a snap, shell or dry bean. Slightly curved pods with tender strings flatten as they age. Very mild and sweet with a pleasing meaty flavor and nutty aftertaste. Can be harvested at 3" as filet beans, remain tender to 5" without getting stringy. "Superior to most purples I've tried, I was quite impressed," reported trialer Marilyn Weschnefski. Pods turn green when blanched. Freezes well. Though it is supposedly tolerant of both heat and drought, production slacked off during hot dry weather, but it blossomed again profusely upon the return of rain and more temperate nights. **NEW!** QCS-certified. ② **A**=1/2oz, $1.20, **B**=2oz, $3.00, *not available in larger sizes.*

## MISCELLANEOUS BEANS

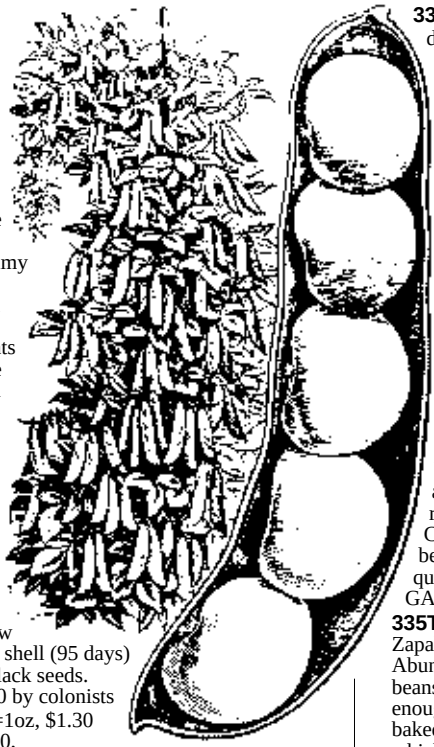
According to Lillian Kuo of E. Orleans, MA, Taiwanese call Fava "Silverworm bean" and Lima "Emperor's bean."

**299WI Windsor Fava** (75 days) *Vicia faba* Bush type. Favas are also called broad beans and horse beans. Little known in the United States (although better known among Fedco customers who buy almost 1,000 lb. of seed per year), they've been mainstays in many other cultures from ancient Rome to Mexico, Brazil and India in modern times. They deserve more widespread popularity because they are ideally adapted to our cool northeast climate. Unlike other beans, favas should be planted as soon as the ground can be worked. They tolerate frost, but do not thrive in hot weather. Sow the large seeds 3-4" apart. Harvest when the light green beans in the 6" glossy pods reach the green shell stage. Parboil one minute, drain and cool, slip from skins, and cook about 5-10 minutes more. Windsor is the classic heirloom variety, listed by Fearing Burr in *Field and Vegetable Gardens of America* in 1863. It was delicious in my 2004 trial. Brown seed. ③ **A**=2oz, $1.20 (~35 seeds), **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $25.00, **E**=10lb, $40.00, **K**=25lb, $75.00, **L**=50lb, $140.00

**307KO Black Kabouli Garbanzo OG** (115 days) *Cicer arietinum* A cool-weather crop cultured like peas, garbanzos hail originally from Afghanistan. Black Kabouli was developed at Washington State University to be tolerant of cold soils and light frosts. 2' plants with ornamental purple flowers bear abundant two-seeded pods resembling beach peas with black medium-sized beans. **BACK!** OCIA-certified. ① **A**=2oz, $1.60 (~210 seeds), **B**=8oz, $4.50, **C**=1lb, $7.00, **D**=5lb, $28.00, **E**=10lb, $45.00

**311JW Jackson Wonder Lima** (103 days) *P. lunatus* Hedrick in 1931 called it "the hardiest of all bush limas, very productive." In his *100 Vegetables and Where They Came From* William Woys Weaver highly praised Jackson Wonder for delivering unexpected benefits. Its baby pods are so tender they can be cooked like snow peas, while the mature beans are so handsome they'd make a stunning bead necklace. Atlanta, GA, farmer Thomas Jackson's drought-tolerant variety created a sensation when it was introduced in 1888 because it was much more productive than extant bush varieties, even though it stands only 18" tall. Wonder features about 3 seeds per curved pod, grey in the shell stage and drying to buff-colored with lovely purple and black mottling, as succulent as they are decorative. As an added bonus, Wonder's sweet-smelling white flowers attract butterflies. ③ **A**=2oz, $1.10 (~125 seeds), **B**=8oz, $3.50, **C**=1lb, $5.50, **D**=5lb, $16.00, **E**=10lb, $25.00

**Why don't you folks offer _____ ?**
**(please fill in the blank)**
Can't find your favorite variety? Please send us your suggestions. If possible, please identify your past source for the varieties.



**313KG King of the Garden Pole Lima** (106 days) *P. l.* Also known as Henderson's Leviathan. For those with a long enough season to grow pole lima beans, we have chosen this home-garden favorite requested by several customers. Developed from a cross between Large White and Dreer by Frank S. Platt in 1883. Platt selected five and six-seeded pods from the Large White so that King's long 8" pods dependably produce at least 4 large creamy white seeds of splendid quality over an extended harvest period. Gregory called them the standard late pole lima and advised in his 1917 catalog that the plants are extremely vigorous so that "no more than two should be allowed to grow to a pole." Indeed, the vines can grow 10' high on fertile ground! *Caution: Not adaptable in northern areas.* **NEW!** ③ **A**=2oz, $1.20, **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $25.00, **E**=10lb, $40.00

**318SR Scarlet Runner** (70 days) *P. coccineus* Climbing beans often grown as ornamentals for their brilliant scarlet blossoms which attract hummingbirds. Need trellises, fences, or poles; will grow to 10-12'. Can be eaten either as snap or shell (95 days) beans. Beautifully mottled purple and black seeds. Heirloom variety grown as early as 1750 by colonists and in 1791 by Thomas Jefferson. ③ **A**=1oz, $1.30 (~23 seeds), **B**=2oz, $2.00, **C**=8oz, $6.00, **D**=1lb, $10.00, **E**=5lb, $40.00

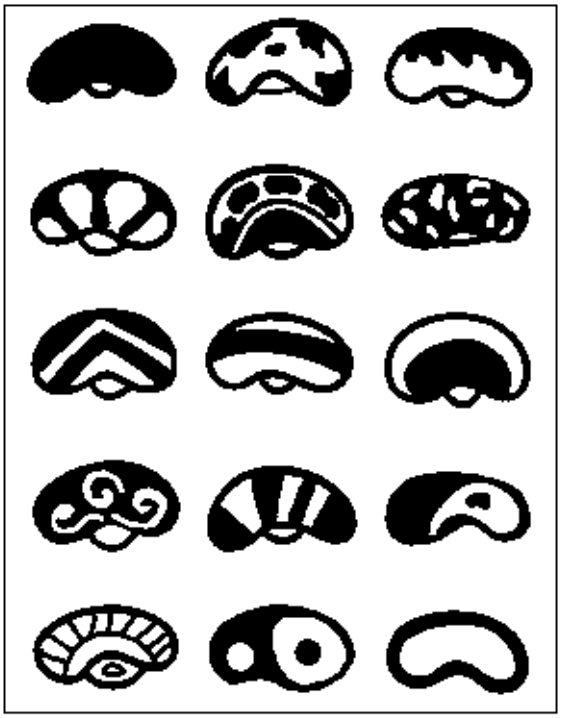
**323MT Mitla Black Tepary ECO** (85 days) *P. acutifolius* Tepary beans have been grown as a summer crop by the O'odham people since prehistoric times. Notable for their ability to withstand intense sunlight, daytime temperatures over 100˚, and the extreme aridity of the Sonoran desert, they produce abundantly even on poor soils. Alone among the teparys we've trialed, Mitla is adaptable to our very different northeast climate. Its dense plant produces medium runners, lavender flowers and good yields of thin, delicate pods each containing 5-6 small lustrous black seeds. A good crop for new plots; they cover the ground and build the soil. The great-tasting nutritious beans are excellent in black bean soup and for refries. Slightly smaller and rounder than other Sonoran teparies, and less day-length sensitive. Teparies should be pre-soaked and tend to take longer to cook than other beans. Originally from the Mitla Valley in Oaxaca, Mexico. ① **A**=1/2oz, $1.00 (~75 seeds), **B**=2oz, $2.00, **C**=8oz, $6.00, **D**=1lb, $10.00, *not available in larger sizes.*

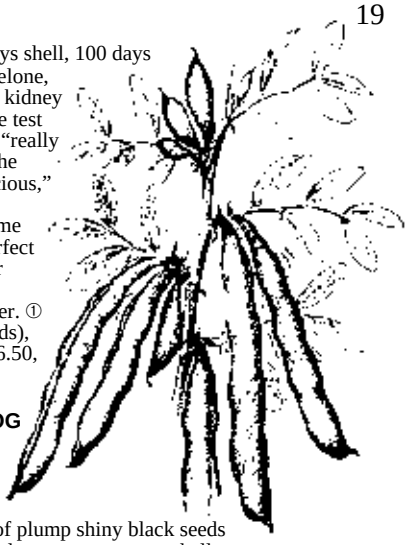
## SOUP, SHELL AND DRY BEANS *Phaseolus vulgaris*

**2 oz packet sows 25 ft., 1 lb. 200 ft. All bush beans except where noted.** *New York Times* food writer Kay Rentschler credits them as some of the most beautiful of all seeds. With "names like exotic dancers (Red Nightfall, Black Valentine, Tongues of Fire, Tiger Eye), they possess real character beneath their stunning skins." Maine aficionado Sam Birch maintains more than 200 and exhibits a good many each year at Common Ground Fair. Among our 2006 favorites judged strictly on appearance were Black Nightfall, Smith River Speckle and Dog.

**326DW Taylor Dwarf Horticultural Shell** (68 days) Also known as Speckled Bays, this heirloom bush shell bean predates 1800. Early producers of cream-colored pods which are ready to shell when carmine-red splashes appear. Shell right after picking, boil until tender (30-45 minutes) and mix with olive oil, chopped garlic and parsley for a late summer treat. Buff seed with red stripes. ③ **A**=2oz, $1.10 (~120 seeds), **B**=8oz, $3.00, **C**=1lb, $5.00, **D**=5lb, $15.00, **E**=10lb, $24.00, **K**=25lb, $55.00, **L**=50lb, $105.00

**328VC Vermont Cranberry** (70 days shell, 95 days dry) A New England tradition since before 1800. Pods contain 5 to 6 speckled cranberry-colored shell beans. Reliable, hardy and easy to shell. Seed grown in Maine. *Caution: occasional tendency to viney habit.* ① **A**=2oz, $1.30 (~130 seeds), **B**=8oz, $4.00, **C**=1lb, $6.50, **D**=5lb, $25.00, **E**=10lb, $45.00





**332CN Cannellini** (80 days shell, 100 days dry) Also known as Cannelone, predates 1900. 1/2" white kidney shell bean. Our staff taste test drew such comments as "really scrumptious—where's the tortillas?" "creamy delicious," and "my favorite." The mild-tasting beans become tender when cooked, perfect for minestrone and other soups or stews. Good performer in cool weather. ① **A**=2oz, $1.30 (~100 seeds), **B**=8oz, $4.00, **C**=1lb, $6.50, **D**=5lb, $25.00, **E**=10lb, $45.00

**334CO Black Coco OG** (60 days shell, 85 days dry) A triple treat bean that is a joy to grow because it is so easy. Its abundant 5" round pods of plump shiny black seeds resist shattering in the garden, yet are easy to shell. Coco can be harvested as a green bean or ten days later as a good shell bean, but really comes into its own as a refried or soup bean. Cooks quickly with a delicious aroma that promises a hearty robust soup. MOFGA-certified. ① **A**=2oz, $1.50 (~110 seeds), *not available in larger sizes.*

**335TO Tiger Eye OG** (65 days shell, 85 days dry) Also called Pepa de Zapallo, originally from Argentina and Chile and known to me from the Abundant Life Seed Foundation collection. Among the most beautiful of all beans, bright golden ochre with maroon swirls. That would be reason enough to grow them, but they also make superb fresh shell and delicious baked beans. Wide 4" pods fill with large flattened kidney-shaped beans which are mostly white at the shell stage but take on more yellow color as they dry. Bush plants grow 2' with a slight tendency to vine. Beans have a rich full-bodied flavor. A favorite of Sam Birch, always one of the most photogenic in his spectacular displays. **NEW!** ID-certified. ① **A**=2oz, $1.80, **B**=8oz, $6.00, **C**=1lb, $11.00, **D**=5lb, $45.00, **E**=10lb, $75.00

**Limelight** (60 days shell, 85 days dry) Crop failure, *not available in 2007.*

**336KE King of the Early** (85 days) Beautiful mottled red baking bean. Seed from a sample sent to us years ago by seed-saving customer Linwood Ware. King's ability to ripen early, its capacity to swell enormously when soaked, its utter dependability through hot summers and cool, and its robust flavor won our hearts. We've found King easy to grow and heavy yielding year after year. Seed grown in Maine. ① **A**=2oz, $1.20 (~100 seeds), **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $20.00, **E**=10lb, $35.00

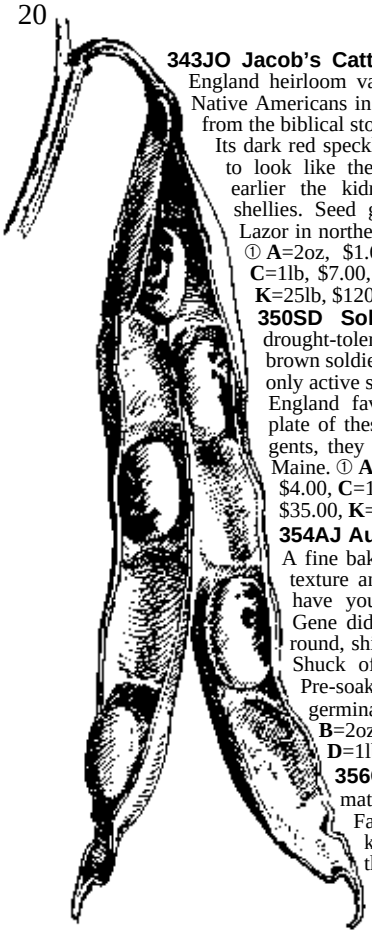
**337MO Maine Sunset OG** (85 days) Heirloom dating back at least to the 1930s maintained for many years by the late Pearl Smith, farmer and longtime Unity Coop member. An early-bearing variation of the Soldier type featuring beautiful plump round-oval ivory-white beans irregularly splotched with brownish-maroon and blood-orange splashes around the hilum. A wonderful baking bean, with a creamy texture and rich flavor when cooked, comparable to Maine Yellow Eye. Good yielder. MOFGA-certified. ① **A**=2oz, $1.30 (~180 seeds), **B**=8oz, $5.00, *not available in larger sizes.*

**338MF Marfax** (86 days) Heirloom resembling Swedish Brown Bean, but earlier and higher yielding. Richly flavored brown baking bean very adaptable to our cool climate. Golden tan seed produced in Maine. ① **A**=2oz, $1.20 (~148 seeds), **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $20.00, **E**=10lb, $35.00, **K**=25lb, $65.00, **L**=50lb, $120.00

**Drabo OG** (86 days) Crop failure, *not available in 2007.*

**340HU Hutterite** (88 days) The Hutterites, a communal Anabaptist sect who escaped persecution in Austria by settling in Canada in the 1750s, brought with them these delicious soup beans. The greenish-tan plump beans with a charcoal ring around the hilum turn into delicious creamy chowder in a little under an hour cooking time. 2-3' bushes are good yielders. Listed on Slow Foods' Ark of Taste. ① **A**=1/2oz, 80¢ (~25 seeds), **B**=2oz, $1.60, **C**=8oz, $5.00, **D**=1lb, $8.00, **E**=5lb, $25.00, **K**=10lb, $45.00

"I was very pleased to receive your catalog a few weeks ago. I was even more pleased when…I read it. It is definitely BEYOND a seed catalog. It is a wonderful informative journal."
—Lolly Forsberg, Pt. Pleasant, NJ



**343JO Jacob's Cattle OG** (88 days) Popular New England heirloom variety may have originated with Native Americans in the Southwest. Derives its name from the biblical story of Jacob and the spotted cattle. Its dark red speckles on white background are said to look like the cattle's markings. If harvested earlier the kidney-shaped beans make superb shellies. Seed grown by our good friend Jack Lazor in northern Vermont. NOFA-VT-certified. ① **A**=2oz, $1.60 (~80 seeds), **B**=8oz, $4.50, **C**=1lb, $7.00, **D**=5lb, $28.00, **E**=10lb, $50.00, **K**=25lb, $120.00, **L**=50lb, $220.00

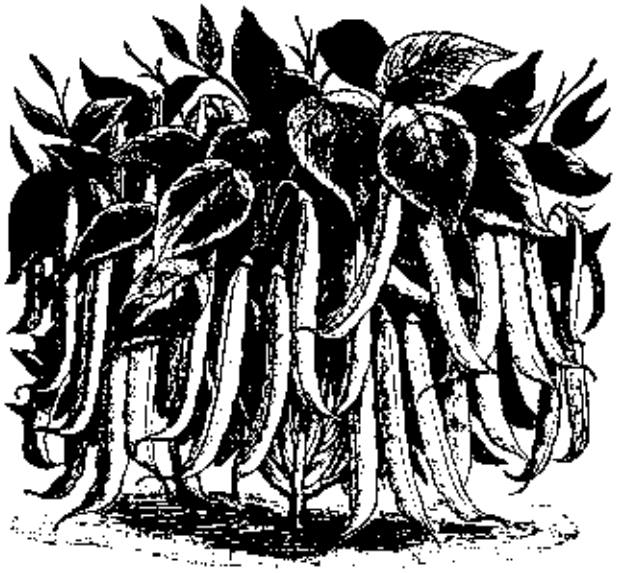
**350SD Soldier** (89 days) These large drought-tolerant white kidney beans with red-brown soldier-like figures on the eyes are the only active soldiers that I care to have. A New England favorite for generations. Attack a plate of these with gusto; unlike Iraqi insurgents, they don't fight back. Seed grown in Maine. ① **A**=2oz, $1.20 (~160 seeds), **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $20.00,**E**=10lb, $35.00, **K**=25lb, $65.00, **L**=50lb, $120.00

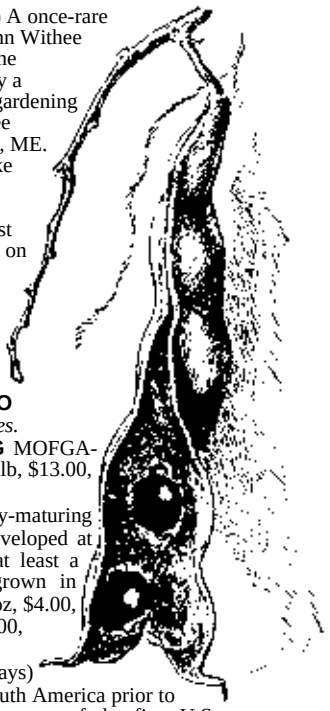
**354AJ Aunt Jean's Pole ECO** (90 days) A fine baking bean with a delicate creamy texture and a sweet nutty flavor that will have you returning for seconds just as Gene did during our taste test. Seeds are round, shiny and white with a maroon eye. Shuck off the shells, the flavor excels. Pre-soak seed 24 hours to improve germination. ① **A**=1/2oz, $1.00, **B**=2oz, $2.50, **C**=8oz, $6.00, **D**=1lb, $10.00, **E**=5lb, $40.00

**356CP Calypso** (90 days) A dramatic find from the Common Ground Fair Exhibition Hall years back. We knew instantly that we had to offer these stark and stunning beans with markings uncannily similar to the Chinese yin/yang symbol. This black and white dry bean even includes a contrasting dot. Though not as heavy a yielder as King of the Early, Calypso dependably produces 4-5 beans per pod, with a texture similar to Yellow Eye. Seed grown in Maine.① **A**=2oz, $1.30 (~115 seeds), **B**=8oz, $4.00, **C**=1lb, $6.50, **D**=5lb, $25.00, **E**=10lb, $45.00

**366PO Agate Pinto OG** (92 days) A mostly bush pinto with medium-sized mottled beans of rich spicy flavor. Was hailed as a breakthrough when introduced in 1982 by Rogers Bros. who succeeded in dwarfing most of the vininess typical of pintos, making Agate easy to harvest. Our seed grower reports that an occasional plant (less than 5%) will still send out sprawling runners. MOFGA-certified. ① **A**=2oz, $1.40 (~130 seeds), **B**=8oz, $4.50, **C**=1lb, $7.00, **D**=5lb, $30.00, **E**=10lb, $50.00

**368KE Kenearly** (89 days) One of the traditional signature varieties of Maine bean hole suppers, Kenearly is a selection of Yellow Eye, developed at the Kentville, NS, research station. Very similar to the Maine Yellow Eye strain we formerly sold, but with slightly larger eye and more uniform maturity. Plump oval medium-sized beans, cream with yellow eye. Seed grown in Maine. ① **A**=2oz, $1.20 (~115 seeds), **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $20.00, **E**=10lb, $35.00





**True Red Cranberry Pole OG** (95 days) A once-rare heirloom rediscovered by bean collector John Withee (see our 1999 catalog) and first offered by the Abundant Life Seed Foundation. Inspired by a description of "Red Cranberry" in a 1700s gardening encyclopedia, after an 11-year search Withee obtained it from a Mr. Taylor of Steep Falls, ME. The plump round maroon seeds look just like Thanksgiving cranberries, unlike the bush cranberry types which are usually oval and speckled. True Cranberry is one of our oldest varieties, probably Native American. Listed on Slow Foods' Ark of Taste. A moderate climber to 6', Cranberry is unfazed by short cool growing seasons. Won plaudits for its rich full-bodied flavor at our staff taste test. Pre-soaking seed for 24 hours will aid germination.

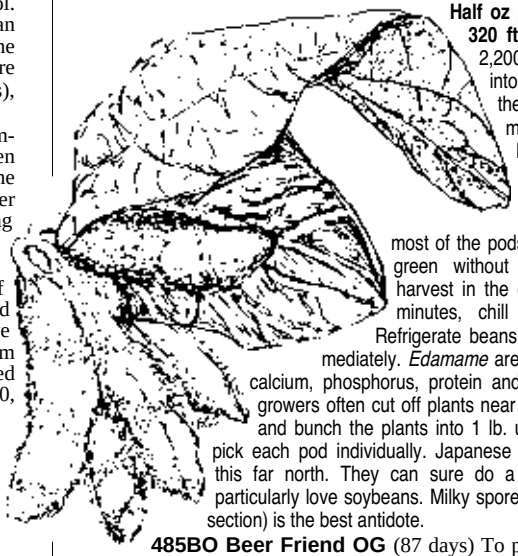
**370TR True Red Cranberry Pole ECO** ① **A**=2oz, $1.70, *not available in larger sizes.*

**371CO True Red Cranberry Pole OG** MOFGA-certified. **A**=2oz, $2.00, **B**=8oz, $7.50, **C**=1lb, $13.00, **D**=5lb, $60.00

**376RK Red Kidney** (102 days) Early-maturing variety of light red kidney baking bean developed at Cornell University. Large beans mature at least a week earlier than similar types. Seed grown in Maine. ① **A**=2oz, $1.20 (~105 seeds), **B**=8oz, $4.00, **C**=1lb, $6.00, **D**=5lb, $20.00, **E**=10lb, $35.00, **K**=25lb, $65.00, **L**=50lb, $120.00

**384BT Midnight Black Turtle** (104 days) The original Black Turtle, originating in South America prior to 1806, was offered by Grant M. Thorburn, one of the first U.S. seedsmen, in 1832. This strain, an improved upright bush version of the heirloom, was more recently developed by Cornell University. Small black beans with rich spicy flavor popular for soup. Seed grown in Maine. ① **A**=2oz, $1.30 (~305 seeds), **B**=8oz, $4.00, **C**=1lb, $6.50, **D**=5lb, $25.00, **E**=10lb, $45.00, **K**=25lb, $75.00

## SOYBEANS *Glycine max*



**Half oz pkt sows 10 ft., 1 lb. sows 320 ft.** Used in China more than 2,200 years ago, then introduced into Japan. The Japanese call them *edamame* (ed-ah-*mah*-may), meaning "beans on branches," and boil and salt them like beer nuts. Sow around the same time as sweet corn and harvest when most of the pods have expanded but are still green without yellowing. For best flavor harvest in the evening. Boil the pods for 5 minutes, chill quickly for easy shelling. Refrigerate beans that you don't consume immediately. *Edamame* are rich in vitamins A, C and E, calcium, phosphorus, protein and dietary fiber. Fresh market growers often cut off plants near the base, remove the leaves and bunch the plants into 1 lb. units, eliminating the need to pick each pod individually. Japanese beetles have finally reached this far north. They can sure do a number on all beans, and particularly love soybeans. Milky spore (#**8881-8882** in our supplies section) is the best antidote.

**485BO Beer Friend OG** (87 days) To paraphrase an old commercial, "If you've got the Beer, we've got the Friend." Robust is the word for these fast-growing lush 2 1/2-3' vines. They were quicker to size up and grew bigger pods than the other eight varieties we tried, without sacrificing any flavor, and held their quality over a fairly long picking window. Enjoy them in August with fresh-picked corn and new potatoes, with or without your favorite brew. MOFGA-certified. ① **A**=1/2oz, $2.00 (~37 seeds), **B**=2oz, $4.50, **C**=8oz, $16.00, **D**=1lb, $30.00, *not available in larger sizes.*

**489FO Shirofumi OG** (90 days) Vigorous thigh-high vines make early concentrated sets of light green pods, averaging two beans per pod. The 10-day picking window is generally from late August through early September. Makes an excellent substitute for limas in short-season areas. Our stock seed came from Tom Vigue, who has done considerable work with this crop. Soybean seed is easy to save; expect about 1 lb. per 10 row feet. ID-certified. ① **A**1/2oz, $1.50 (~42 seeds), **B**=2oz, $4.00, **C**=8oz, $10.00, **D**=1lb, $18.00, *not available in larger sizes.*

**Sayamusume OG** (92 days) We regret crop failure, *not available in 2007.*

"I love that your catalog arrives around the winter solstice. It is a bright spot in the darkest time of the year. What a lift!"
—Ladonna Smith, Oregon, WI

## AMAIZING CORN *Zea mays*

**2 oz packet sows 50 ft, 1 pound sows 400 ft.** Seeds per packet vary, with open-pollinated selections having the fewest and the sugary enhanced varieties with the shrunken seeds the most.

Hidatsa people believed that corn plants had souls. Hidatsas built tall platforms called watchers' stages about 3x4', large enough to fit two girls comfortably. Hidatsa girls began corn watching at age 10-12, singing to the corn and scaring crows by waving blankers and shaking rattles. (Thanks to April Peress of Newfield, NY.)

*CAUTION*: Untreated sweet corn seed will not germinate in cold wet soil. Please be patient and wait till soil warms to at least 60˚ before sowing, or start seedlings indoors and transplant at 3-6" stage before taproots take off. Tender, will not survive frost. Heavy nitrogen requirements. Rows 3' apart, 4 seeds/ft. Thin to 1' apart. When corn is knee-high, a side-dressing of azomite or alfalfa meal can really stimulate growth. Should be planted in blocks of at least 4 rows to ensure adequate pollination, essential for good tip fill.

If you have trouble with crows pulling up seedlings, use Bird-Scaring Balloons (see #**9338**) or cover sowings with floating row covers (#**9101**). Remove covers at 3-6" stage to avoid plant abrasion. A few drops of mineral oil applied to the silks can substantially reduce earworm damage. Although we know of no sure defense against critters, interplanting with pumpkins may improve the odds.

Seed catalogs in the 1800s featured "Indian Corn," decorative multi-colored ears with soft starchy kernels easily ground into flour or with flinty kernels often used to make corn meal and grits (#**680-699**); dent corn with indented kernels eaten fresh or roasted in the milk stage or used to make flour, corn meal, grits and cereal; field corn for animal forage and silage (#**8061**); and sugar corn, forerunner of today's sweet corn. Sweet corn, probably originally a mutation of flint or dent corn or both, first appeared in a seed catalog in 1828 and became popular a generation later. Many of the old varieties had great names, my all-time favorite a white sweet corn called Howling Mob, which I grew in 2004. Alas, I found it nothing to howl about. As sweet corn became the first crop to be hybridized, most of the open-pollinated varieties disappeared from commerce between 1930 and 1970. Open-pollinated varieties do not hold as long, nor are they as sweet as modern hybrids and will require a change in taste preferences if they are ever to come back into vogue.

Most of our recent introductions have been homozygous sugary enhanced crosses (seven from the superb breeding program at Mesa Maize). All SE sweet corn traces back to a single inbred developed in the 1960s in Illinois by Dr. Dusty Rhodes, ILL677a. Our trialers have found sugary enhanced corn to be especially suitable to our climate, with good cool-soil tolerance and a near-perfect blend of sugars and corn flavor.

We cold test all significant carryover lots of sweet corn seed and post results on our website: www.fedcoseeds.com. Cold testing mimics spring conditions and assesses suitability for sowing in cool soils.

One maize plant can produce 18 million grains of pollen. Because pollen is wind-blown, corn presents some risks of contamination from nearby genetically engineered fields. So far in six years of random sampling of our lots for genetic contamination we've never had a positive test.

The corn smut fungus *Ustilago maydis*, formerly scorned, is now increasingly considered a great delicacy. *Huitlacoche*, as it is known in Central and South America, is being featured by fine restaurants. In a test of 350 hybrid corns, the University of Illinois found that #**658** Silver Queen is one of the best for producing large clusters of smut galls.

Most of the information in these sidebars comes from *Resource Guide for Organic Insect and Disease Management* (#**9810** in the Organic Growers Supply section).

Pest: corn earworm
Cultural controls: use resistant varieties with tight husks such as #**540** Bodacious or #**658** Silver Queen, choose short-season varieties, release trichogramma wasps. (Beneficial insects are available from The Green Spot at www.greenmethods.com or 603-942-8925.)
Material controls: *Bt Kurstaki* (Dipel #**8902**), Spinosad (#**8922-3**)

Pest: European Corn Borer (ECB) and fall armyworm
Cultural controls: mow & disk old corn stalks into the soil, release trichogramma wasps (found to give better control than insecticides in research by Cornell's IPM program on five organic farms) for ECB; none known for fall armyworm.
Material controls: *Bt Kurstaki*, Spinosad

### YELLOW SWEET CORN

**508ST Spring Treat** (71 days) The choice of early corn cornoisseurs, Spring Treat continues to be our most popular sweet corn by a wide margin. We've tasted a lot of new earlies in recent years, but none have zinged our taste buds like this yellow **sugary enhanced hybrid**. Showing good cold soil emergence, Spring Treat ripens around the time of Sugar Buns, but with longer ears that are easier to pick. The real clincher is its rich corny taste that we hadn't enjoyed since Intrepid. Not as sweet as Sugar Buns, but better eating quality, ear length and appearance than any other early corn. ② **A**=2oz, $1.80 (~240 seeds), **B**=8oz, $6.40, **C**=1lb, $11.00, **D**=5lb, $48.00, **E**=10lb, $88.00

**516AO Ashworth OG** (72 days) A composite of early varieties originally developed by the late Fred Ashworth of St. Lawrence Nurseries and marketed by Johnny's Selected Seeds starting in 1978. Legend has it that Ashworth originally named his variety "Rat Selected" in honor of the rodents who broke into his seed storage room and alerted him to certain kernels which they preferred. Its short stalks have 6-7" yellow ears with good flavor. Be sure to harvest it at peak milk stage—like all **open-pollinated** corn it does not hold quality for long in the field. Germinates well in cool soil. OCIA-certified. ① **A**=2oz, $1.50 (~210 seeds), **B**=8oz, $5.20, **C**=1lb, $9.00, **D**=5lb, $42.00, **E**=10lb, $80.00

**524SB Sugar Buns** (74 days) Yellow **sugary enhanced hybrid** from Crookham with melt-in-your-mouth tenderness. About as sweet as our palates like, but not cloying like the supersweets. Sugar Buns does not have as good cold soil emergence as other early corns; please don't rush it. ② **A**=2oz, $1.70 (~405 seeds), **B**=8oz, $6.40, **C**=1lb, $11.00, **D**=5lb, $48.00, **E**=10lb, $88.00

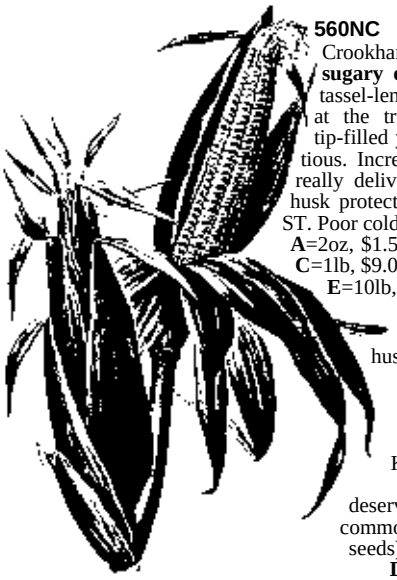
**530HT Honey Treat** (76 days) This honey is on the money. Our samplers really enjoyed its corniness perfectly balanced with just the right sugars, voting it a winner in taste tests two years in a row. **Triple sweet sugary enhanced hybrid** produces 7-8" ears which come off the plant really slick making it a good choice for the second early market. ⑤ **A**=2oz, $2.20 (~295 seeds), **B**=8oz, $8.00, **C**=1lb, $15.00, **D**=5lb, $70.00, **E**=10lb, $130.00

**540BD Bodacious** (77 day) Crookham's **sugary enhanced hybrid** has exceptionally sweet corny tender yellow kernels that taste as good as its name! Outstanding 8" ears every year. Resistant to ST. ② **A**=2oz, $1.50 (~270 seeds), **B**=8oz, $5.20, **C**=1lb, $9.00, **D**=5lb, $42.00, **E**=10lb, $80.00

**556TX Tuxedo** (80 days) **Sugary enhanced hybrid.** Meet Tuxedo, a well-dressed yellow sweet corn with good husk protection to keep those pesky earworms out! Its surface attributes are bolstered by its rich sweet tender corny taste and handsome 8" ears with 16 rows of delicious kernels that will melt in your mouth. Tuxedo can germinate at cool temperatures and withstand a fair amount of stress. Tolerant to ST, rust and smut. This is the closest I've come to wearing a tuxedo since my high school prom. ② **A**=2oz, $1.70 (~280 seeds), **B**=8oz, $6.40, **C**=1lb, $10.00, **D**=5lb, $45.00, **E**=10lb, $85.00

**559GB Golden Bantam** (85 days) **Open-pollinated**. Upon its release in 1902, Golden Bantam changed the history of sweet corn, overcoming popular prejudice against yellow corn (once called "horse corn") and ending the dominance of white varieties. By 1934, Bantam had so captured the market that U.P. Hedrick wrote in *The Corns of New York*, "This has been for several years the most popular sweet corn for all purposes. The name has become so thoroughly impregnated in the minds of the growers and consumers that many of them will not accept anything else." Graced Burpee's 50th Anniversary cover in 1926 and was still popular enough in 1980 to make Johnny's cover. We are offering the original 8-row Bantam, not the "improved" 12-row selection. Long narrow 7" ears sit on 5-6' stalks. Very sweet and tasty if picked promptly at maturity. High on old-fashioned corn flavor. Like most open-pollinated corn, Bantam passes quickly through the milk stage and gets tough. Be alert and check daily as ripeness approaches. ②③ **A**=2oz, $1.20 (~210 seeds), **B**=8oz, $4.00, **C**=1lb, $7.50, **D**=5lb, $32.00, **E**=10lb, $56.00

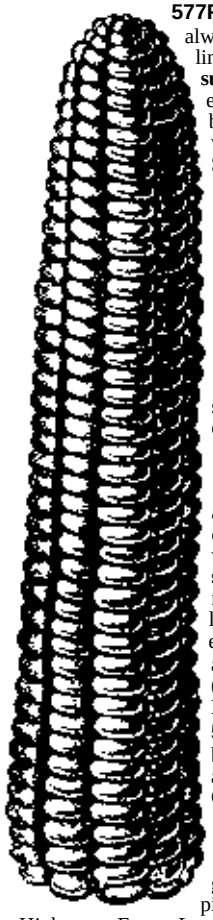
We sell only untreated seed.



**560NC Incredible** (85 days) Crookham's superior late-midseason **sugary enhanced hybrid** was a full tassel-length ahead of the competition at the trial, where its handsome 8" tip-filled yellow ears were just scrumptious. Incredible is not merely sweet, it really delivers a deep corn taste. Good husk protection and tolerance to rust and ST. Poor cold soil emergence. ②
**A**=2oz, $1.50 (~515 seeds),**B**=8oz, $5.20, **C**=1lb, $9.00, **D**=5lb, $42.00, **E**=10lb, $80.00

**564KK Kandy Korn** (89 days) Attractive deep purple husks and excellent holding quality make this **hybrid** yellow corn a real winner at roadside stands. One of the first **sugary enhanced** varieties, Kandy Korn has stood the test of time, and continues to enjoy well-deserved popularity. Tolerant to ST, common rust. ⑤ **A**=2oz, $1.50 (~300 seeds), **B**=8oz, $5.20, **C**=1lb, $9.00, **D**=5lb, $42.00, **E**=10lb, $80.00

## BICOLOR SWEET CORN



**577FL Fleet** (72 days) In sweet corns, the race is not always to the fleet. Most of the corns first to the finish line just don't deliver on flavor. Fleet, a **homozygous sugary enhanced hybrid** version of Quickie, is the exception, just a whisker behind Quickie in maturity, but several mouthfuls ahead in eating quality. Along with Quickie, became the first sweet corn at Shooting Star Farm ever to ripen in July (the 26th) from mid-May transplanting during the hot dry spring of 1999. The 7" bicolor ears fill nicely to the tips with enough succulence to bring your roadside-stand customers back for more. Not as good cold soil emergence as Quickie, but its superior flavor tips the balance for us. ② **A**=2oz, $1.60 (~265 seeds), **B**=8oz, $6.00, **C**=1lb, $10.00, **D**=5lb, $45.00, **E**=10lb, $85.00

**582AM Ambrosia** (75 days) Ah! Those heavenly moments of high summer! Out of the pot come steaming ears of bicolor bliss with their dewdrops of condensation. Into my mouth where the tender corny kernels mix their sweetness into a total sensation of ambrosial delight. Our corn tasters, for all their enjoyment of the process, are a contrary lot, so when they come to consensus, as they did on Ambrosia, we know we've found something good. This **homozygous sugary-enhanced hybrid** is perfect for a wide range of markets, from fresh home garden use to long-distance shipping. The 6½' plants show good early vigor. In stressful conditions the tips don't always fill. Tolerates ST. ② **A**=2oz, $1.70 (~320 seeds), **B**=8oz, $6.40, **C**=1lb,$10.00, **D**=5lb, $48.00, **E**=10lb, $88.00

**584DG Double Gem** (76 days) A classy bicolor **sugary enhanced hybrid** for the all-important second-early slot, Double Gem's blocky 8" ears fill well to the tip for a lot of good eating. Rarely have we encountered such sweetness and tenderness in this early a corn. Good cold soil emergence. Received high ratings for ease-of-picking at the University of Maine's trials at Highmoor Farm. Long shelf life. Tolerant to SM, resistant to NCLB. ② **A**=2oz, $1.70 (~320 seeds), **B**=8oz, $6.40, **C**=1lb, $10.00, **D**=5lb, $48.00, **E**=10lb, $85.00

**586CH Cohasset** (77 days) We're not sure why Mesa Maize has a whole new line of **synergistic sugary enhanced** bicolor varieties named for towns on Massachusetts' South Shore. Maybe their breeder came from there or maybe they are trying to tell us these corns are adaptable to this geographic area, which they are. In any case, our purchaser Nikos grew up near Cohasset so she knows the local color. Cohasset is a Native American name meaning "rocky place." It was where John Smith landed in 1614 and where the *Witches of Eastwick* (starring Jack Nicholson, Cher and Susan Sarandon) was filmed in 1987. While none of this offers any compelling reason to try the so-named corn, the fact that it was the favorite of the nine varieties sampled in our 2006 trial might. We liked its substantial corn flavor which was nicely balanced with the correct proportion of sweetness to give us eight inches of eating delight. Because it is a cross between supersweet and sugary enhanced hybrid parents, it should be isolated from supersweet varieties. **NEW!** ② **A**=2oz, $2.50, **B**=8oz, $9.50, **C**=1lb, $18.00, **D**=5lb, $85.00, **E**=10lb, $160.00

**588LO Luscious OG** (77 days) Light up your taste buds with lip-smacking lusty Luscious! If you like your corn sweet, Luscious really lives up to its name. With a good balance of sugars and corn taste, the attractive blunt 8" ears are just what you want in an early midseason bicolor. And it is easy to grow, too, with good cold soil emergence and early vigor. A breakthrough for the folks at Mesa Maize, Luscious was their first organically produced variety. We hope there will be many more to come. **Triple sweet sugary enhanced hybrid**. CO-certified. ②
**A**=2oz, $2.50 (~300 seeds), **B**=8oz, $9.50, **C**=1lb,$18.00, **D**=5lb, $85.00, **E**=10lb, $160.00

**602LL Lancelot** (82 days) We took notice when Loon Song Farm trialers rated this midseason bicolor **sugary enhanced hybrid** as better than Burgundy Delight one year. Lancelot has a lot going for it besides its sweet tender kernels. It snaps easily, is very drought tolerant, and shows good tip fill. Tolerant to ST. ②
**A**=2oz, $1.60 (~350 seeds), **B**=8oz, $6.00, **C**=1lb, $10.00, **D**=5lb, $48.00, **E**=10lb, $85.00

**606BR Bravado** (83 days) There's probably more than enough bravado in the world, but you can't get too much bravado in a sweet corn. Wow! 8" of bicolor rapture in every delectable ear. Bravado is hot, delivering melt-in-your mouth sweetness and substance, too. These qualities come from a **synergistic cross between supersweet and sugary enhanced hybrid** parents. Plump 18-row ears with good husk protection. 6' plants have few tillers. Must be isolated from supersweet varieties. ② **A**=2oz, $2.20 (~335 seeds), **B**=8oz, $8.00, **C**=1lb, $15.50, **D**=5lb, $75.00, **E**=10lb, $145.00

## MULTICOLORED SWEET CORN

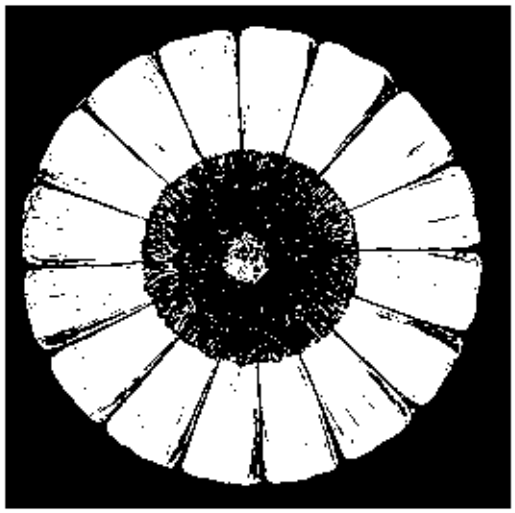
**Painted Hills OG** (80 days) Regret crop failure, *not available this year.*

**SWEET CORN SELECTIONS AT A GLANCE**

| variety | item # | days | color | type* | avg height | ear length | # rows |
|---|---|---|---|---|---|---|---|
| Spring Treat | 508 | 71 | yellow | se-se | 72" | 7-8" | 14 |
| Ashworth | 516 | 72 | yellow | op | 60" | 6-7" | 12 |
| Sugar Buns | 524 | 74 | yellow | se-se | 76" | 6-7" | 14 |
| Honey Treat | 530 | 76 | yellow | se-se-se | 78" | 7-8" | 14-18 |
| Bodacious | 540 | 77 | yellow | se-se | 87" | 8" | 18 |
| Tuxedo | 556 | 80 | yellow | se-se | 90" | 8-9" | 16 |
| Golden Bantam | 559 | 85 | yellow | op | 66" | 7" | 8 |
| Incredible | 560 | 85 | yellow | se-se | 90" | 8" | 18 |
| Kandy Korn | 564 | 89 | yellow | se | 102" | 8" | 16 |
| Fleet | 577 | 72 | bicolor | se-se | 60" | 7" | 14 |
| Ambrosia | 582 | 75 | bicolor | se-se | 78" | 8" | 16 |
| Double Gem | 584 | 76 | bicolor | se-se | 75" | 8" | 16-18 |
| Cohasset | 586 | 77 | bicolor | se-sh2 | 78" | 8" | 16-18 |
| Luscious | 588 | 77 | bicolor | se-se-se | 75" | 8" | 16-18 |
| Lancelot | 602 | 82 | bicolor | se-se | 84" | 7-8" | 16-18 |
| Bravado | 606 | 83 | bicolor | se-sh2 | 72" | 8" | 18 |
| Spring Snow | 626 | 73 | white | se-se | 66" | 7-8" | 12-16 |
| Luther Hill | 636 | 82 | white | op | 48" | 5" | 12 |
| Silver Queen | 658 | 96 | white | ns | 102" | 8" | 14-16 |

*genetic type
op = open-pollinated
ns = normal sugary
se = heterozygous sugary enhanced
se-se = homozygous sugary enhanced
sh2 = supersweet
se-se-se = triple sweet sugary enhanced
**If you plant corns of different color kernels next to each other, you will get some cross-pollination. Separate by 8-10 rows' distance to maintain color purity.**

## WHITE SWEET CORN

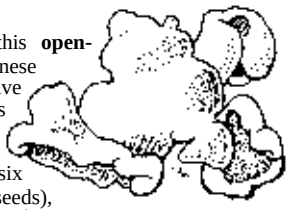


**626SS Spring Snow** (73 days) **Sugary enhanced hybrid**. If you, like me, prefer your kernels white and still lament the passing of Platinum Lady, don't overlook Spring Snow, an early white sweet corn with a real corny flavor. Delivers 7½" ears of excellent quality for early in the season. We've looked for years at other whites; none surpass Snow. Tolerant to ST, resists lodging. ② **A**=2oz, $1.70 (~290 seeds), **B**=8oz, $6.40, **C**=1lb, $10.00, **D**=5lb, $48.00, **E**=10lb, $85.00

**636LO Luther Hill Sweet Corn OG** (82 days) Developed by Luther Hill of Andover Township, NJ, in 1902, and one of the parents of the venerable Silver Queen. The most popular sweet corn in parts of New Jersey for over 50 years. Sweetest **open-pollinated** corn I've ever tasted, Luther makes multiple 3-6" miniature ears on modest 4' stalks. Because the suckers often yield good ears, each plant, if spaced widely, can make up to four ears. A great way to introduce yourself to old-timey sweet corn the way it was before the hybrids took over. QCS-certified. ② **A**=2oz, $2.50 (~255 seeds), **B**=8oz, $8.50. *Not available in larger sizes.*

**658SQ Silver Queen** (96 days) Much as Agway's Sugar & Gold became synonymous for all bicolor corn, Silver Queen has become a generic term for almost any late white sweet corn. The late *New York Times* reporter R.W. Apple found that most large farmers claiming to sell Silver Queen had actually switched to more modern hybrids. However, we know that at least some farmers are still selling the real McCoy, because that's what we offer. Queen, a white **hybrid,** has long set the standard for late-maturing sweet corn with large handsome ears, replete with glossy white creamy sweet kernels that fill to the very tips. Although risky in short-season areas, it ripens for us most years a few days before Common Ground Fair in late September, sneaking in just ahead of our first killing frost. I can't think of a better way to end the corn season. *Caution: said to germinate poorly in cold soil, though we have heard few complaints.* Tolerant to NCLB, ST. ⑤ **A**=2oz, $1.80 (~275 seeds), **B**=8oz, $6.40, **C**=1lb, $11.00, **D**=5lb, $48.00, **E**=10lb, $88.00

## POPCORN See also #5940.



**663JH Japanese Hulless** (72 days) Use this **open-pollinated** variety to raise miniature corn for Chinese cuisine. Harvest the fingerlike baby ears around five days after silks appear. They are delicious in hors d'oeuvres and stir-fries and make excellent pickles. Or allow to grow to full size for popcorn which will take 110 days. The 5' plants each bear three to six 4" ears with white kernels. ② **A**=2oz, $1.30 (~800 seeds), **B**=8oz, $4.50, **C**=1lb, $7.50, **D**=5lb, $33.00, **E**=10lb, $60.00

**Strawberry** (95 days) Dropped for slow sales, *not available in 2007.*

**677RW Robust 21-82W White** (95 days) **F-1 hybrid.** "Tender and delicious. My husband says your Robust White Popcorn is the best popcorn he has ever eaten," says Pam Skirvan of Fairfield, VA. This early white hull-less popcorn has the same great eating quality as White Cloud—crisp and tender, light and flaky—but with a better yield of larger kernels on 7" ears. The 6' plants have the stalk strength to survive September storms intact. Relentless calls them "perfectly shaped towers of power, impervious to corn worms and borers, skunks and porcupines." ② **A**=2oz, $1.50 (~580 seeds), **B**=8oz, $5.20, *not available in larger sizes.*

**678DO Dakota Black OG** (100 days) **Open-pollinated.** Outstanding in our observation plots two years in a row. Our trialer Emily Cates described the plants as "like me, short and compact. Unlike me, there is one ear per plant.…Tip cover is average and pest resistance is above average. My 11-year-old cousin Jacob and I tried to make popcorn from it the other day. I had not dried it long enough to make it pop right but the semi-popped corn was pretty darn good. Jacob remarked how the kernels looked like pomegranate seeds and he could not stop munching on his new-found favorite snack." 2004 tasters rated the popcorn "Oh, so scrumptious." In addition to their popping qualities, Dakota Black's 4½" dark maroon-black ears with 15 rows are extremely decorative, a must for the fall roadside stand. 4' stalks. IFOAM-certified. ① **A**=2oz, $1.80, **B**=8oz, $6.50, **C**=1lb, $12.00, **D**=5lb, $50.00, **E**=10lb, $95.00

**679BO Pennsylvania Dutch Butter Flavored OG** (102 days) This **open-pollinated** popcorn is so good on its own that you won't need to add any butter. (I prefer nutritional yeast, anyway!) Our trialers agreed that it was the best they'd ever tasted: creamy, buttery and melted in their mouths. 8' plants set two 4-6" ears per stalk, with 26-28 rows (occasionally 22) of creamy white nicely-shaped fat kernels. Thanks to our friends at Southern Exposure Seed Exchange for their cooperation in enabling us to offer this pre-1885 heirloom which originated with the Pennsylvania Dutch. SESE was the first to bring this variety to commerce, in 1988. New for us in 2006, it was a real hit with customers. QCS-certified. ① **A**=2oz, $2.00, **B**=8oz, $7.50, **C**=1lb, $14.00, **D**=5lb, $65.00, **E**=10lb, $125.00

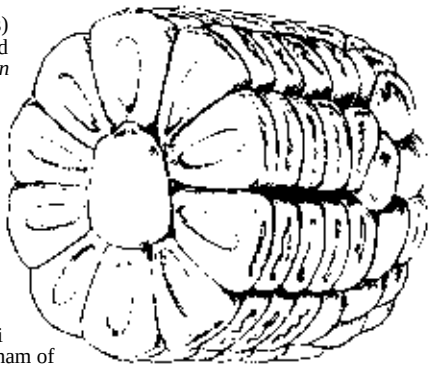
## ORNAMENTAL & DRY FIELD CORN

All open-pollinated.

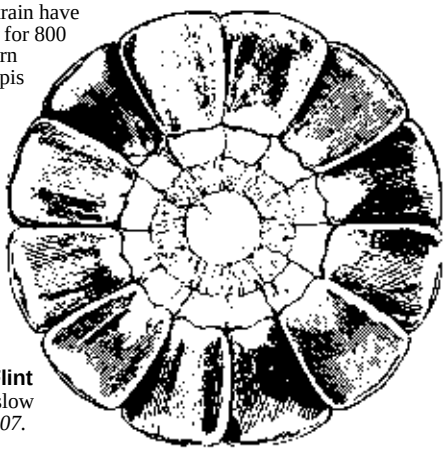
**680PO Painted Mountain OG** (85 days) Small plant, long cobs! We are thrilled to offer Painted Mountain, the earliest maturing colorful corn in existence. Dave Christensen, the breeder, has spent 30 years developing it in the mountains of Montana from a diverse gene pool of about 80 strains of native corns, and succeeded in putting "a broad spectrum of stress-hardy, earth-friendly, people-friendly genetics back in the hands of the people." Painted Mountain tolerates high winds, cold soil and cold nights, as well as hot Julys and drought conditions. More than a week earlier than Mandan Bride, the short 5' plants are highly efficient, producing thin 8-rowed cobs, generally 6-7" long. Contains vivid golds, oranges, reds and purples, about every shade of color known to corn. In addition to its ornamental uses, it is easily ground into flour, boiled into hominy, parched or even eaten fresh on the cob. A June 9, 1999, Shooting Star Farm planting was drying on the stalk by early September; an earlier planting in a good year would dry in August even in our cold spot. Painted Mountain will grow where no other corns can. Christensen recommends over-planting, then thinning to 11" apart. MT-certified. ① **A**=2oz, $2.90 (~165 seeds), **B**=8oz, $11.00, *seed in short supply, order early!*

**682CO Abenaki Calais Flint OG** (88 days) An improved strain of Roy's Calais Flint. The frigid summer of 1816 ("Eighteen hundred and froze to death") bestowed frosts, snow and sleet every month of the year. In the remote northern valley village of Calais, VT, only one kind of corn survived. Grown by the local Abenaki Native American tribe for generations and given to settlers, it was the sole sustenance for many families. Kept by the Fair family since that time, the corn was saved from extinction when Native Americans in this generation rescued a 10-year-old jar of seed in Roy Fair's basement, grew it out and shared it again with local farmers. Later, Calais farmers gave some of the seed to Vermont seedsman Tom Stearns who shared it with us. Stearns calls it "the most exciting heirloom that I've ever been handed. Incredibly early and able to grow well under cold conditions, it has made mature and dry ears in as few as 80 days." Most of the 7-9" ears are golden yellow but a minority are a beautiful dark maroon. Although the original strain had 8 rows of kernels, Vermont seed grower Jack Lazor has been selecting 10-row ears for higher yield, strong feeder roots for better standability, and roguing out the sweet corn kernels. NOFA-VT-certified. ① **A**=2oz, $1.60 (~225 seeds), **B**=8oz, $5.50, **C**=1lb, $9.50, **D**=5lb, $45.00, **E**=10lb, $85.00

**Mandan Bride** (98 days) Replaced by #**680** Painted Mountain, *not available in 2007.*



**692HB Hopi Blue Flour** (100 days) Hopi is not just for flour. It is good to eat. We "took some ears, blanched them, then cooked…and WOW! Nicely crunchy and corny and wholesome…instead of chickens eating [it], our freezer is filled with Hopi corn," reports Dick Burnham of Talking Crow Organic Farm in western MA. Precursors of this strain have been raised continuously for 800 years on mesas of northern Arizona. Used by the Hopis to make ceremonial *piki* bread. Tall 9' plants produce large 8-10" ears with beautiful deep kernels easily ground into flour. Very drought-tolerant, with a long taproot. ② **A**=2oz, $1.30 (~205 seeds), **B**=8oz, $5.00, **C**=1lb, $8.00, **D**=5lb, $35.00, **E**=10lb, $65.00



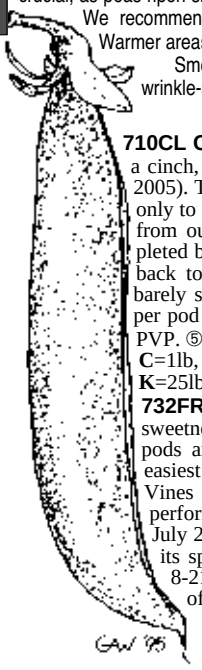
**Kalidia Ornamental Flint** (110 days) Dropped for slow sales, *not available in 2007.*

# PEAS *Pisum sativum*

**2 oz packet sows 25 ft, 1 lb. sows 200 ft. All peas are open-pollinated.** Peas were among the earliest crops to be domesticated, perhaps as long as 10,000 years ago. Very old seeds have been found near the Burmese border of Thailand, in the Languedoc region of southern France, and in Switzerland.

Young plants very hardy but frost stops production at the blossom or pod stage. Like cool moist weather; dislike heat. Sow as early as ground can be worked for best yields. All peas produce more when staked; varieties (except AFILA types) over 2½' *must* be supported. Plant 8-10 seeds/ft. in rows 3' apart (5' if very tall varieties). Early morning picking retards spread of powdery mildew disease and ensures best flavor. The August 2003 edition of the *Avant Gardener* suggests milk diluted with water sprayed twice weekly kills the fungus and stimulates the plants' protective systems. If you love peas as much as we do, you may want to try for a fall crop. Timing is crucial, as peas ripen slowly in the cool of September, and frost will halt production. We recommend 1st week July planting for fall crop in central Maine. Warmer areas try mid-July.

Smooth-seeded peas germinate better in colder soils than wrinkle-seeded peas, but are not as sweet.

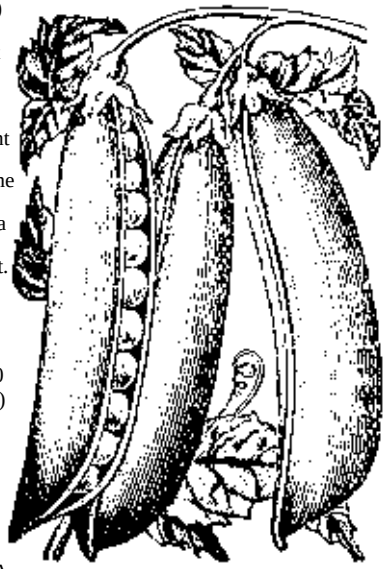


## SHELL PEAS

**710CL Coral** (53 days) Makes harvesting peas before July 4th a cinch, even in cold pockets (except in the strange spring of 2005). The best quality early pea we've yet found, and second only to Green Arrow in popularity. In 2001 serious production from our April 26 sowing began on June 26 and was completed by July 2. In 2003 our cold wet spring pushed planting back to May, but we still had peas by July 2. Short vines barely surpass 2' and tend to set earliest pods low. 6.94 peas per pod in 2003, 6.16 peas per pod in 2001. Resists F1, PLR. PVP. ⑤ **A**=2oz, $1.20 (~235 seeds), **B**=8oz, $3.80, **C**=1lb, $5.50, **D**=5lb, $20.00, **E**=10lb, $32.00, **K**=25lb, $64.00, **L**=50lb, $110.00

**732FR Early Frosty** (60 days) Outstanding quality and sweetness, a good variety for freezing. At its best before the pods are completely filled. Tricky to pick, but one of the easiest to shell. Holds quality for a long time after picking. Vines grow up to 3'. Susceptible to powdery mildew; performs best in early sowings. Peak production in 2001 was July 2-8 from April 26 planting. In cool 2004, made most of its spectacular yield of 43 lb. per 100 row feet from July 8-21. Although that was a record, yields are dependable, often exceeding 30 lb/100 row feet. 5.62 peas per pod in the difficult 2006 season, well below its usual average of 6.5. A few off-types appeared in 2006. Rogue out any plants taller than the rest. Resistant to F and W. ③ **A**=2oz, $1.00 (~270 seeds), **B**=8oz, $3.30, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $26.00, **K**=25lb, $48.00, **L**=50lb, $90.00

**740NF Northfield** (62 days) "They sure cling to the fence!" says Erwin Tobin of Pawlet, VT. The first AFILA-type (Lacy Lady) pea to merit inclusion in our catalog. Won our hearts before we even tasted the berries because its intricate lacy foliage made a breathtaking background. Those intertwining tendrils allow Northfield to stand by itself without additional support even though the vines grow 3½'. The lack of leaf mass makes the prolific pods easier to see. Peas come 6-10 (6.64 average in 2004) to a pod, sweet and delicious if harvested promptly when a little under full size. *Caution: Quality drops off rapidly after reaching full size.* Since pods ripen very uniformly, illustrious CSA grower Elizabeth Henderson suggests making succession plantings. A quality pea with fine flavor that does not need to be staked. Resistant to F1,2, PM, PEMV tolerant. PVP. ⑤ **A**=2oz, $1.10 (~153 seeds), **B**=8oz, $3.60, **C**=1lb, $5.50, **D**=5lb, $20.00, **E**=10lb, $32.00, **K**=25lb, $64.00, **L**=50lb, $110.00



**744PR Progress #9** (62 days) Old-time favorite home-garden variety for those who want short vines, decent early production and ease of picking. You won't need to stake the 16-18" vines, yet you will enjoy good abundant 4" pointed dark pods with delicious flavor. Easy to tell when the peas are prime, because in the words of our trialer, this one's "a filler, not a squeezer," meaning pick when the pods are filled out. 6-9 very sweet peas per pod. **NEW!** ③ **A**=2oz, $1.00, **B**=8oz, $3.30, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $26.00, **K**=25lb, $48.00, **L**=50lb, $90.00

**748LM Little Marvel** (63 days) Another old-fashioned home garden favorite, bears tightly packed cylindrical pods on 18" vines. Very sweet. Surprising yields for such a dwarf plant. From England in 1900, known there as Sutton's Early Marvel. Introduced to the U.S. in 1908. A pound of seed sold for a quarter in 1932 from Gray's Seed and Implement Store catalog, Sanford, ME. ③ **A**=2oz, $1.10 (~250 seeds), **B**=8oz, $3.60, **C**=1lb, $5.50, **D**=5lb, $18.00, **E**=10lb, $28.00, **K**=25lb, $50.00, **L**=50lb, $95.00

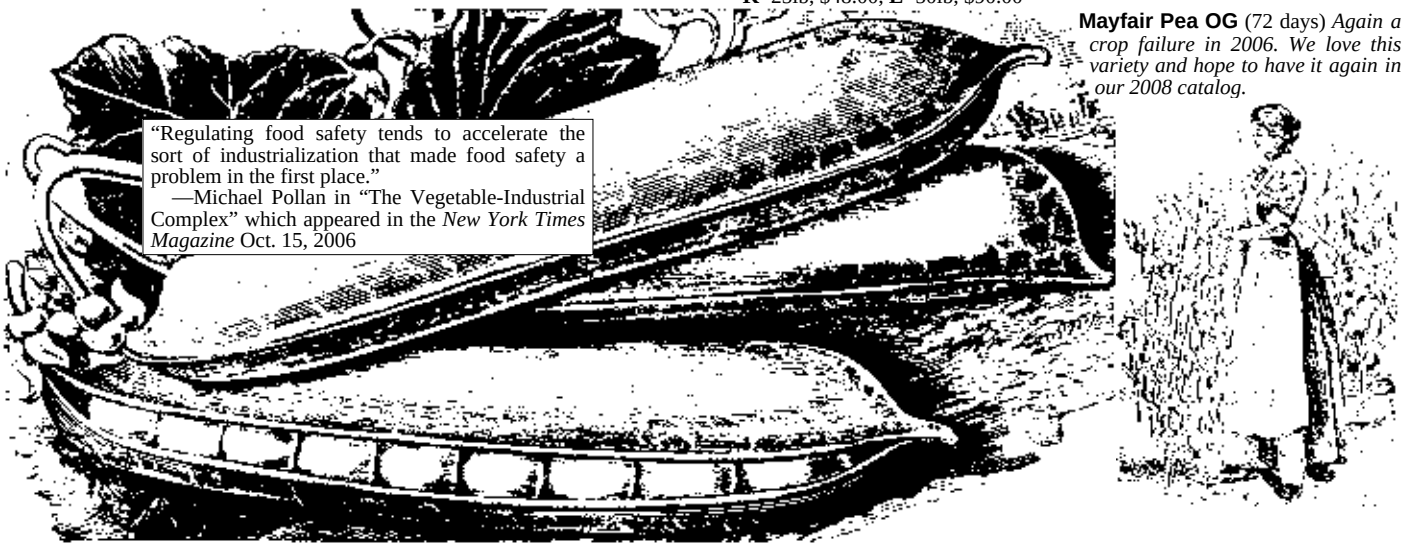
**Dual** (64 days) We have dropped this Seminis/Monsanto variety. *Not available in 2007.*

**760GA Green Arrow** (65 days) Arrow is right on the mark for commercial growers who prefer it to all others. We sold more than 1,500 lb. last year. This heavy yielder sets the standard for midseason varieties. Long pods with up to 10 peas per pod (average 7-8) on vines up to 3'. 7.16 peas per pod in 2006, an off-year. Survived our miserable rainy May/June much better than other varieties. Easy to pick because pods tend to set in pairs at the top. Tolerant to F, DM, CTV, W. ③ **A**=2oz, $1.00 (~270 seeds), **B**=8oz, $3.30, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $26.00, **K**=25lb, $48.00, **L**=50lb, $90.00

**772MO Miragreen OG** (68 days) If we could offer only one variety of shell pea, I'd go with Miragreen. It boasts the darkest-green pods we've ever seen, a rich color matched only by the flavor of the peas themselves. As a freezer pea it has no equal. As if this weren't enough, Miragreen has some resistance to heat and drought and copes well with our occasional warm Julys. Always a generous yielder, it was the best of the 14 varieties in our 2004 trial with 8.3 peas per pod and was right behind Frosty bearing 42 lb. per 100 row ft. Because the vines grow to 4' Miragreen requires staking. *Seed in short supply; order early.* OT-certified. ① **A**=2oz, $1.80 (~275 seeds), **B**=8oz, $6.00, *not available in larger sizes.*

**781LC Lincoln** (70 days) This old favorite rates as the sweetest pea and the best for fresh garden grazing. Apparently originated in England and first offered in America by J.M. Thorburn in 1908, the year before the first Lincoln penny. Vines up to 3' bear 3-3½" slender curved pods with heaviest production in mid-July. Consistently 6-8 peas per pod, 6.02 average in 2006, In 2004 our 60 ft. row produced an all-time record 33 lb. Lincoln loves cool rainy Julys. Susceptible to powdery mildew and other pea diseases, production will fall way off if July is hot and dry. Tolerant to W. ③ **A**=2oz, $1.00 (~260 seeds), **B**=8oz, $3.30, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $26.00, **K**=25lb, $48.00, **L**=50lb, $90.00

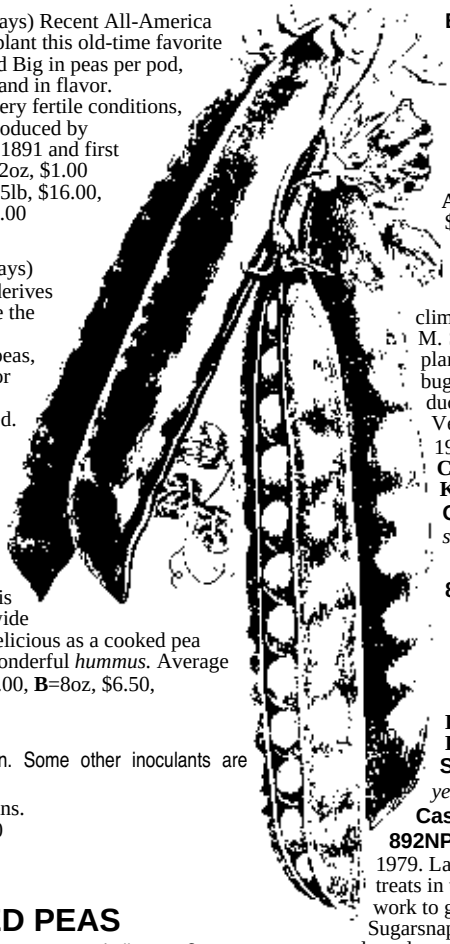
**Mayfair Pea OG** (72 days) *Again a crop failure in 2006. We love this variety and hope to have it again in our 2008 catalog.*



"Regulating food safety tends to accelerate the sort of industrialization that made food safety a problem in the first place."

—Michael Pollan in "The Vegetable-Industrial Complex" which appeared in the *New York Times Magazine* Oct. 15, 2006

**792TT Alderman** *or* **Tall Telephone** (75 days) Recent All-America winner Mr. Big got the hype, but failed to supplant this old-time favorite as the #1 tall pea. In our trial, Alderman topped Big in peas per pod, 7.65-6.94, in yield 38-28 lb. per 100 row feet, and in flavor. Alderman boasts vines of 5-6' or more under very fertile conditions, needs strong staking and frequent picking. Introduced by renowned pea breeder Thomas Laxton around 1891 and first sold by Burpee in 1901. Resistant to W. ③ **A**=2oz, $1.00 (~190 seeds), **B**=8oz, $3.30, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $26.00, **K**=25lb, $48.00, **L**=50lb, $90.00



### SOUP PEAS

**795BC Blue Pod Capucijners ECO** (85 days) Delicious brown-grey soup peas. Their name derives from the markings on the peas said to look like the cowls of Capuchin friars, and is pronounced cap-you-*sigh*-ner. Even if you don't want the peas, the plants are worth growing as ornamentals for their violet, red and pink flowers and their spectacular purple pods. 6' vines must be staked. Productive, beautiful and easy to harvest. However, the seed coats are tough and they take a long time to cook. We advise treating like baking beans. Heat soak overnight. **BACK!** ① **A**=2oz, $2.00, **B**=8oz, $6.50, **C**=1lb, $11.00, *not available in larger sizes.*

**796VO Amplissimo Viktoria OG** (90 days) The chickpea of the North, Amplissimo is a soup pea *par excellence.* 5' vines bear long wide pods which dry beautifully and shell easily. Delicious as a cooked pea with a sweet Garbanzo-esque flavor. Makes wonderful *hummus.* Average yield is 1:20. MOFGA-certified. ① **A**=2oz, $2.00, **B**=8oz, $6.50, **C**=1lb, $11.00, **D**=5lb, $45.00

### INOCULANT

Can also be ordered from the Supplies section. Some other inoculants are available only in the Supplies section, p. 113.

**798LG Legume Inoculant** for peas and beans. A treats 8 lb. B treats 50 lb. **A**=$3.00, **B**=$3.50

**799SB Soybean Inoculant** for soybeans. Treats 50 lb. **A**=$3.50

## EDIBLE PODDED PEAS

**2 oz. packet sows 25 ft. 1 lb. sows 200 ft.** Culture same as shell peas. Snow peas should be harvested before pods fill out. Snap peas taste sweetest when completely filled. A common mistake is to pick snaps too soon. Young snow and snap plants may be harvested for greens, good in mesclun or lightly cooked. To serve pea shoots, remove the coarse tendrils and break the stalk into 3" pieces each with some leaves.

### SNOW PEAS

**808DG Dwarf Grey Sugar** (59 days) If you're looking for a dwarf snow pea with purple flowers, this old standby dating prior to 1773 is the best we know. "Dwarf" refers both to its 30" vines and to its elegant 2½-3" pods of classic appearance which make great stir-fries. Harvest often for best production. Resistant to F1. ③ **A**=2oz, $1.10 (~300 seeds), **B**=8oz, $3.30, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $30.00, **K**=25lb, $55.00, **L**=50lb, $95.00

**812DW Dwarf White Sugar** (59 days) We're happy to welcome **BACK!** this dwarf snow pea. Introduced 1941 by Eastern States Cooperative (now Agway), it is noteworthy for its small (2-2½") sweet and tender pods. 3' vines produce abundant early yields at the top of plants where they are easy to pick. Susceptible to yellows. ③ **A**=2oz, $1.10 (~310 seeds), **B**=8oz, $3.30, **C**=1lb, $5.00, **D**=5lb, $16.00, **E**=10lb, $30.00, **K**=25lb, $55.00, **L**=50lb, $95.00

**818GT Oregon Giant** (60 days) Bred by Dr. James Baggett at Oregon State University, Giant has been our most popular snow pea since we were obliged to drop Blizzard in 1993. We sold a half ton of seed in 2006. A giant selection from a giant breeder, Oregon Giant is distinguished for its sweet rich green fat wide 4-5" pods, which are good for stir fries, steaming, and eating out of hand. Will retain sweetness so they may be picked a little plumper than the thin-podded varieties. We recommend staking the intermediate 3-4' vines. Resistant to PEMV, PM and F1. ③ **A**=2oz, $1.20 (~170 seeds), **B**=8oz, $3.50, **C**=1lb, $5.50, **D**=5lb, $17.00, **E**=10lb, $32.00, **K**=25lb, $65.00, **L**=50lb, $110.00

**Blizzard** (61 days) The PVP has run out on Blizzard, and we're busily rebuilding stocks to prepare for its grand reintroduction. *Not available this season.*

**826SP Oregon Sugar Pod II** (62 days) This short-vined snow pea from Oregon State University features 4" pods on 2-2½' vines. Difficult to pick because fruit tends to set within foliage. Good choice in sandy soils or under dry conditions. Tolerant to PM, resistant to W, tolerant to PEMV. ③ **A**=2oz, $1.10 (~210 seeds), **B**=8oz, $3.30, **C**=1lb, $5.20, **D**=5lb, $17.00, **E**=10lb, $30.00, **K**=25lb, $60.00, **L**=50lb, $110.00

**Sumo OG** (66 days) We know you love Sumo, so this hurts. Alas, crop failure in 2006 so *not available in 2007.*

**842MM Mammoth Melting Sugar** (72 days) The standard climbing snow pea. Vines grow 5-7' but can reach 10' if you follow M. Schultz' suggestion to lay coffee grounds in a 2" mulch around plants but not touching stems. Stimulates growth and discourages bugs, she says. Very heavy yields of 4-5" pods. Continues to produce if kept picked provided powdery mildew does not strike. Very sweet eaten raw as well as sautéed. Heirloom predates 1906. ③⑤ **A**=2oz, $1.20 (~230 seeds), **B**=8oz, $3.50, **C**=1lb, $5.50, **D**=5lb, $18.00, **E**=10lb, $32.00, **K**=25lb, $65.00, **L**=50lb, $120.00

**Osaya Endo OG** (72 days) *Still cleaning off-types out of the strain. Not available in 2007.*

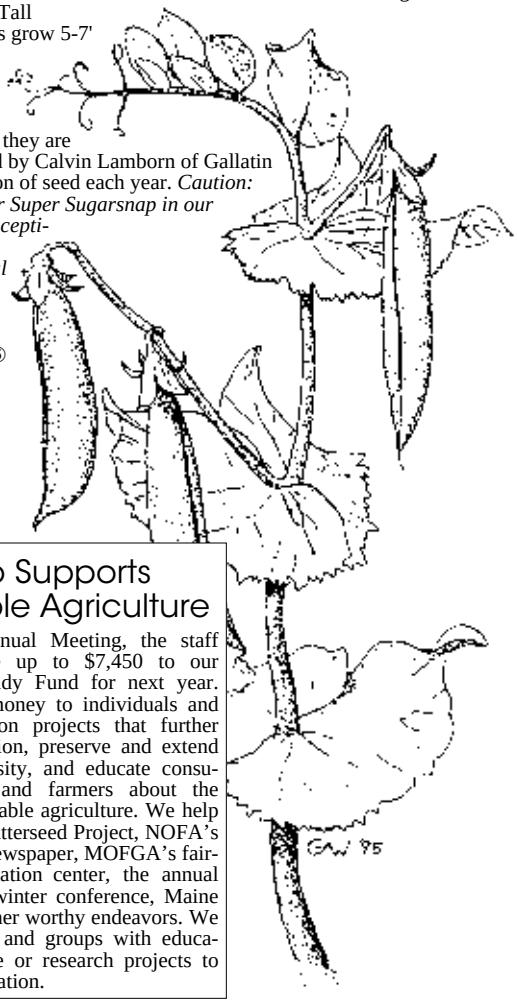
### SNAP PEAS

**882SU Sugar Ann** (58 days) Last year we sold nearly a ton of this 1983 Silver All-America winner from sugarsnap breeders Gallatin Valley. Dwarf 2' vines. The earliest snap pea, ripening here around June 20. Very good quality, sweetest of the dwarf snap peas. Not as heavy-yielding as tall Sugarsnap. Use to start the season. Resistant to W. ③ **A**=2oz, $1.30 (~235 seeds), **B**=8oz, $3.60, **C**=1lb, $6.20, **D**=5lb, $20.00, **E**=10lb, $35.00, **K**=25lb, $80.00, **L**=50lb, $140.00

**Sugar Lode ECO** (65 days) Crop failure, *not available this year.*

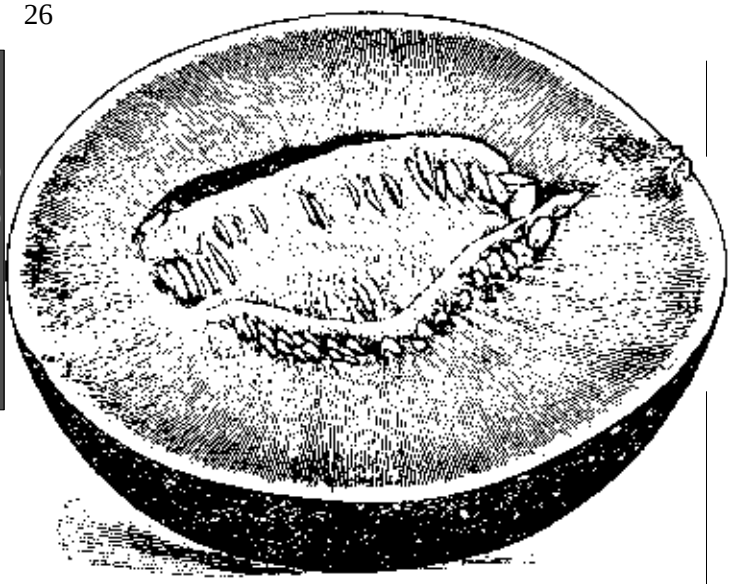
**Cascadia** (65 days) Crop failure, *not available this year.*

**892NP Sugarsnap** (68 days) Won the coveted AAS Gold Medal in 1979. Later, was voted the #1 all-time AAS. One of the very best raw treats in the garden, far tastier than the dwarf varieties, although more work to grow. Tall Sugarsnap vines grow 5-7' and need strong stakes. Pods reach superb sweetness only when completely filled. Then they are incomparable. Bred by Calvin Lamborn of Gallatin Valley. We sell a ton of seed each year. *Caution: We found the newer Super Sugarsnap in our trial to be more susceptible to pea wilt. We still sell the original Sugarsnap.* Resistant to W, very susceptible to powdery mildew. ⑤ **A**=2oz, $1.50 (~250 seeds), **B**=8oz, $4.40, **C**=1lb, $6.60, **D**=5lb, $21.00, **E**=10lb, $35.00, **K**=25lb, $80.00, **L**=50lb, $150.00



## Fedco Supports Sustainable Agriculture

At our 2006 Annual Meeting, the staff voted to allocate up to $7,450 to our Educational Subsidy Fund for next year. We donate this money to individuals and groups working on projects that further goals of cooperation, preserve and extend our genetic diversity, and educate consumers, gardeners and farmers about the benefits of sustainable agriculture. We help underwrite the Scatterseed Project, NOFA's *Natural Farmer* newspaper, MOFGA's fairgrounds and education center, the annual Vermont NOFA winter conference, Maine Apple Day and other worthy endeavors. We invite individuals and groups with educational, cooperative or research projects to write for an application.



*You Can Vine-Ripen Melons In Maine: Here's How*

Melons are a tender crop with high nitrogen requirements. They love heat, cannot stand frost, and can be damaged by night temperatures below 40˚. They require some extra fussing, but oh! are the results ever worthwhile!

✺ Note days to maturity and select varieties that will ripen in your climate. Earliqueen, Petite Yellow and Peace are surest bets.

✺ Start indoors in early May (later if the spring is slow to warm) in peat pots, 2 or 3 seeds to a pot. Melons resent transplanting but will take if their roots are not disturbed.

✺ Prepare hills in advance with liberal amounts of well-rotted manure or compost. Don't place melons next to vigorous crawling plants like cucumbers, gourds or winter squash.

✺ A cold start can permanently stunt growth, so wait for a warm spell after all danger of frost to transplant. This will usually occur between June 1 and June 20. Water heavily and, if soil is dry, place a temporary hay mulch around plants until a soaking rain comes.

✺ Cover plants with floating row covers, not allowing covers to touch plants. Use hoops to avoid abrasion. Melons are much more sensitive than squashes.

✺ Use black or clear plastic mulch between plants.

✺ Use a foliar feeding program to speed ripening.

✺ Remove row covers before buds open. Replace them when you don't desire any more fruit to set.

✺ To reduce rot loss, rotate ripening melons occasionally. To reduce mouse damage, place ripening melons on bricks.

✺ Inspect your patch *daily* at ripening time. Check fruits for aroma and color and *pull gently* on those that appear to be ripe. They are ripe if the pressure causes them to slip from the vine. For watermelons, thumping should produce a low, hollow sound. Spread thumb and forefinger and press hard on fruit. If you feel any give, watermelon is ripe.

✺ Enjoy an incomparable taste treat!

## OPEN-POLLINATED MELONS

Fascinated by heritage melons? Amy Goldman's *Melons for the Passionate Grower* (ISBN 1--57965-213-1), a mouth-watering journey through her 100 favorite with seed sources where available, is an indispensable identification and cultural aide in trials work. Melons are native to Africa. The name melon comes from the Melothria tribe. Goldman says we routinely discard the most nourishing part of the melon: the seeds. Watermelon seeds have been an important part of the diet of African and Chinese people.

Melon seed is long-lived, lasting more than 10 years under proper storage conditions. 18th and 19th century growers preferred to sow 4- to 10-year-old melon seed, believing that such seeds produced plants that spread less and fruits with a finer perfume.

**Cantaloupe, muskmelon** etc. 1/16 oz packet, about 60 seeds, sows 20 hills. 1oz=about 960 seeds. **Watermelon** 1/16 oz packet, about 40 seeds, sows 14 hills. 1 oz=about 670 seeds. Days to maturity are from date of transplanting.

### Open-pollinated CANTALOUPE & MUSKMELON

*Cucumis melo*

Cantaloupes are named for the papal gardens of Cantalupo, Italy, where some historians say the first cantaloupe was grown. They are smooth-skinned or lightly netted with few ridges. Some are warted. Muskmelons are usually heavily netted and deeply ribbed with larger seed cavities than cantaloupes. Both have orange flesh unless otherwise indicated. Develop highest sugar content when daytime temperatures exceed 80˚ and night temperatures are 60-75˚.

**908JL Jenny Lind ECO** (76 days) Believed to have been developed from a strain called Center orginally from Armenia. Named for beloved soprano Johanna Maria Lind (1820-1887), better known as Jenny Lind, the Swedish Nightingale. This heirloom melon, contemporaneous with her early career, remained very popular in the New York, New Jersey, and Philadelphia area until after her death. In his 1902 catalog, famed seedsman Peter Henderson called it "the gem of the muskmelons, flavor unsurpassed by any." Vaughan's sold 1 lb. for 85 cents in 1904. Jenny has recently enjoyed renewed popularity all over the country. Despite her sparse spindly vines, she is a prolific bearer of small, heavily netted 1 lb. fruits which may be unique among melons for having a turban on their blossom end. Her soft juicy lime-green interior flesh is so sweet that it just might make you sing. ① **A**=1/16oz, $1.10 (~68 seeds), **B**=1/4oz, $2.20, **C**=1/2oz, $4.00, **D**=4oz, $16.00

**914GN Green Nutmeg ECO** (80 days) These aromatic heavily netted melons weigh 2-3 lbs. apiece with deliciously sweet spicy lime-green flesh. Not too imposing on the outside, but a good surprise inside! If subjected to very hot weather, Green Nutmeg may develop a bitter cucumber-like taste. Heirloom dates back to the 1830s, described by Fearing Burr in 1863. Seed grown in Maine. *On special this year.* ① **A**=1/16oz, $1.00 (~57 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=4oz, $16.00

**925GO Golden Gopher OG** (85 days) Minnesota gave us both *Prairie Home Companion* and Gopher. We're not sure which is sweeter. Heavily ribbed fruits have deep deep orange flesh of incomparable eating quality. Achieved a Brix reading of 14 (14% sugar content) at the 2001 Common Ground Fair Exhibition Hall, way ahead of any other muskmelon tested. Developed by the University of Minnesota in the 1930s, saved from probable extinction by Glenn Drowns, discovered and multiplied by our trialer Jeanne Griffin and popularized by Jack Kertesz at the MOFGA alley-cropping demonstration garden, Gopher has steadily gained adherents. Called "Pop Open" melons because sometimes they split open when ripe. This tendency may have prevented commercial acceptance, but was not widely prevalent in Kertesz' crops. ID-certified. ① **A**=1/16oz, $1.60 (~46 seeds), **B**=1/4oz, $4.50, **C**=1/2oz, $7.50, **D**=1oz, $14.00

**940DL Delicious 51** (88 days) Some consider Delicious 51 to be the best widely available open-pollinated muskmelon for cold climates. One trialer compared its flavor to that of fine sorbet. Sweet 3 lb. fruits with medium to sparse netting over distinct ribs turn yellow at maturity, may be soft when ripe. Dark orange interiors with sweet juicy aromatic flesh. Received 11 Brix reading at Oregon State University trials. Developed by Dr. Henry Munger of Cornell University in 1953. New PMR strain, also tolerant to F. ② **A**=1/16oz, 80¢ (~43 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1lb, $14.00

**943PF Prescott Fond Blanc** (88 days) Don't be fooled by the outer appearance of this wrinkled bumpy warted thick-skinned puffy-looking grey-green rock melon! When you cut one open the color contrast between layers of deep-ribbed yellow and green inner rind and the orange flesh will look like spumoni. Then oo-la-la! You'll sniff its rich bouquet and bite into the juicy melting dense savory flesh. As Prescott's 3-5 lb. true cantaloupes ripen they develop a yellow blush, a floral redolence, and finally slip off the vine with light pressure when fully ripe. Bring them in and let them sit for a week, then enjoy! Fruits ripen variably, not all at once, vines keep producing, averaging about four melons per hill. A favorite of Parisian market-gardeners for more than 150 years, listed by both Fearing Burr (1863) and Vilmorin (1885). Thanks to Jeremiah Gettle of Baker Creek Seeds for bringing this rarity across the ocean. Ugly on the outside, but gorgeous within. ①②

**A**=1/16oz, $1.60 (~50 seeds), **B**=1/4oz, $4.50, **C**=1/2oz, $8.00

**946WO Pride of Wisconsin OG** (90 days) Welcome to melon nirvana, that rare moment of absolute perfection: the smooth texture and juicy refreshing sweetness that satisfies through and through with just the right delicate balance and no musky aftertaste. Move over, Minnesota! Pride is destined to take its place alongside Golden Gopher as the best. It delivers extremely high-quality large oval salmon-fleshed 5-7 lb. fruits with coarse netting and compact seed cavities. Edible all the way to the rind. Tends to crack at the blossom end during wet seasons. Not recommended for long-distance shipping. Known as Queen of Colorado when it was introduced in 1923 by the St. Louis Seed Co., good enough to have been claimed by more than one state. Widely offered in the '40s and '50s by the likes of Burpee and Eastern States Cooperative. All but disappeared from the trade after the onset of hybridization, maintained by just a handful of seed savers. BSO-certified. ① **A**=1/16oz, $1.60, **B**=1/4oz, $4.50, **C**=1/2oz, $7.50

**948HO Harvest Queen OG** (92 days) When we grew out the stock from several seed savers for Pride of Wisconsin we discovered that we had two different strains. Though the two melons are very similar, they were once sold by Colorado squash growers Hollar & Co. as different varieties. Queen's flesh is firm, thick, fine textured, with a deep orange color and a satisfying sweet musky flavor. Lacking the pronounced oval shape of Pride, the 5 1/2 x 6 1/2" fruits are a little less likely to split under stress and, at 3 1/2 lb, are about 2 lb. less than Pride. Ribs are shallow, coarsely netted and fruits turn golden yellow when ripe. Delicious. Resistant to F. ID-certified. ① **A**=1/16oz, $1.60 (~44 seeds), **B**=1/4oz, $4.50, **C**=1/2oz, $7.50

## Open-pollinated WATERMELON *Citrullus lanatus*

**957MO Early Moonbeam OG** (78 days) This open-pollinated selection from Yellow Doll is one of breeder Alan Kapuler's notable successes in de-hybridizing hybrids. Kapuler retained most of Doll's strengths including earliness, icebox size (5-8 lb.), sweet yellow flesh, and colorful rind of dark green stripes on a greenish-white background, while sacrificing only a scintilla of uniformity and flavor. Brix reading of 11 at Washington State University trials. Moonbeam is a stabilized variety so you can save your own seed. BSO-certified. ① **A**=1/16oz, $1.60 (~35 seeds), **B**=1/4oz, $4.50, *not available in larger sizes.*

**Sugar Baby** (80 days) The standard northern icebox watermelon and the first of its genre had no competition for 31 years. It grows 8-10 lb. fruits, dark green outside and deep red inside. Discovered in a field of picnic watermelons by M. Hardin of Geary, OK, in 1955, and introduced by the Woodside Seed Co. These days its 10 Brix reading is considered a little low and its flesh quality is grainier than the pricey minimelons featured in supermarkets. But it is still among the earliest in its class and retains a following among those who prefer their watermelons to be open-pollinated and modest-sized.

**962SB Sugar Baby** ② **A**=1/16oz, 80¢ (~45 seeds), *not available in larger sizes.*

**963SO Sugar Baby OG** CCOF-certified. ③ **A**=1/16oz, $1.00, **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1lb, $28.00

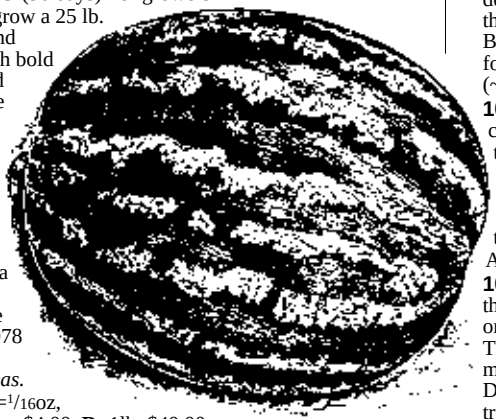
**968CS Cream of Saskatchewan** (80 days) "Of all the cool climate melons I've grown in Oregon, Maine and Wisconsin, this takes the cake, not just sweet but real character and flavor." With his background in cucurbits, plant breeder John Navazio knows a good melon when he tastes one. He gave me my first taste more than a decade ago and I've prized these sweet juicy melons with cream-colored flesh and abundant seeds ever since. Those lucky enough to be present at the New York State Mobile Seed Cleaning Unit demonstration at the 2002 Common Ground Fair know just how sweet and cooling this melon can be on a hot day. Round 6-10 lb. fruits are light green with dark stripes and thin brittle rind prone to split. Heirloom said to have originated in the Ukraine, brought to Saskatchewan by immigrants early in the 20th century. ① **A**=1/16oz, $1.60 (~30 seeds), **B**=1/4oz, $4.50, **C**=1/2oz, $7.50

**980QZ Quetzali** (85 days) An outstanding open-pollinated red watermelon, sweet (tested 10.3% sugars at WSU trials) with some substance. Ripens 9-12 lb. fruits with dark-green rind splotched with lime-green sponge prints. Even more attractive on the inside where the dense pink flesh is almost seedless! This find came from, of all places, Syngenta. I didn't know they even worked with open-pollinated melons any more, but I'd love to see more from them like Quetzali. We cannot sell in South Carolina. *Caution: Requires a sharp knife, strong wrist and sure stroke to cut open its dense rind.* Resists ANTH1. PVP. ⑤ **A**=1/16oz, $1.40 (~40 seeds), **B**=1/4oz, $2.80, **C**=1/2oz, $5.00, **D**=2oz, $18.00

**984SW Sunsweet** (85 days) Though it loves warm locales, Sunsweet is adaptable almost anywhere. Our melon trialers in central Maine have harvested two 20 lb. fruits per plant. They report it outproduces hybrid Sweet Favorite and is earlier and bigger than hybrid Sangria. We recommend this large oval open-pollinated watermelon for glorious red scrumptious sweet juicy delectable treats. Rind dark green with broken light green stripes. No sales in South Carolina. Resistant to ANTH and F. PVP. ⑤ **A**=1/16oz, $1.40 (~35 seeds), **B**=1/4oz, $2.80, **C**=1/2oz, $5.00, **D**=2oz, $18.00

**986VR Verona** (86 days) We found this rare large red oblong watermelon in a Seeds of Change listing. Introduced in 1965 in Mississippi, one of its parents is the famous Charleston Gray. Considered the earliest and best-tasting of the Black Diamond types, Verona pumps out 15-20 lb. fruits with a thin but tough smooth dark green rind and attractive firm red flesh. Sweet and tasty, the best-flavored open-pollinated watermelon I've ever had, Verona had high yields in the OSU trials and got raves at the staff taste test. Well adapted to cool climates, has produced impressively even as far north as Starks, ME. Tolerant to ANTH, F. ② **A**=1/16oz, $1.20 (~14 seeds), **B**=1/4oz, $2.50, **C**=1/2oz, $4.80

**989CO Crimson Sweet OG** (90 days) For growers in climates warm enough to grow a 25 lb. watermelon. This almost round 10x12" light green melon with bold dark green stripes has defined good watermelon eating since 1964 when it was developed by Dr. C.V. Hall of Kansas State University. Noteworthy for its crisp dark red very sweet flesh. Tolerance to ANTH1 and ANTH3 and F1 and F2 and a thick rind suitable for shipping make it a commercial favorite in the middle Atlantic states and the southeast. Vigorous vines. 1978 AAS winner. *Caution: Not adaptable in cold climate areas.* **NEW!** CCOF-certified. ③ **A**=1/16oz, $1.10, **B**=1/4oz, $2.20, **C**=1/2oz, $4.00, **D**=1lb, $40.00



**990OR Orangeglo** (90 days) When I profiled cucurbit expert Glenn Drowns for our 1999 catalog, he included Orangeglo in his list of favorite varieties. Like us, Drowns enjoys convincing people to try new things and Orangeglo was one of his big triumphs at farmers market. When he took them the first time, some people even refused his free samples. The next week people were waiting in line for Orangeglo. Intrigued by the possibility of a tasty orange-fleshed open-pollinated melon, we were delighted to find Orangeglo adaptable to the Northeast and every bit as good as Drowns promised. The striped oblong melons average 10 lb. and often achieve 15 lb. Not the sweetest of our melons, Orangeglo nevertheless may be the most juicy and refreshing. The crisp tender bright orange flesh has an almost tropical flavor. Orangeglo brings a glow to my face every time I open one up. ① **A**=1/16oz, $1.60 (~16 seeds), **B**=1/4oz, $4.50, **C**=1/2oz, $8.00

**992MO Moon and Stars OG** (100 days) Once feared extinct, this now-famous unique watermelon became a cause célèbre for the Seed Savers Exchange. Released by Peter Henderson & Co. as Sun, Moon and Stars in 1926, it was popular in the '30s—in 1931 Great Northern Seed Co. extolled it for its delicious flesh as well as its distinct appearance—before fading into obscurity for almost fifty years. Kent Whealy found it again in 1981 after a four-year search and his son Aaron supplied us with our original seed. Because it needs a lot of heat to set fruit, it poses a challenge worthy of the Maine melon-grower's mettle. Dark green rind has beautiful yellow spots which range in size from little peas (the stars) to a silver dollar or larger (the moon). Spotted foliage, actually a product of a virus found in the breeding lines, looks unhealthy to the uninitiated. Sweet somewhat grainy pink flesh. CCOF-certified. ③ **A**=1/16oz, $1.60 (~20 seeds), **B**=1/4oz, $5.00, **C**=1/2oz, $8.00

## HYBRID MELONS

See also #**6402** Burpee Hybrid Muskmelon.

**French Orange Charentais** (80 days) We have dropped this Seminis/Monsanto variety. *Not available in 2007.*

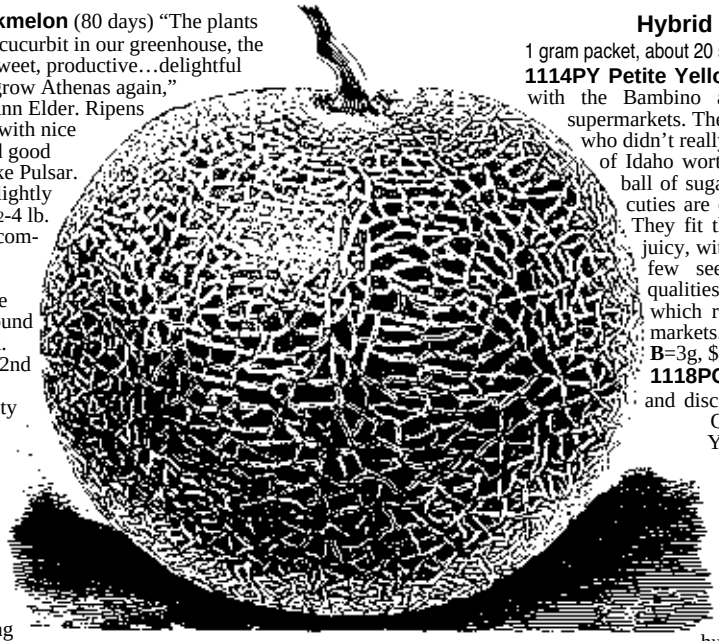
### Hybrid CANTALOUPE & MUSKMELON *C. m.*

**Sweetie #6 FR Cantaloupe** (75 days) Alas, the trade is dropping this wonderful short-season melon. *Not available this year.*

**1024EQ Earliqueen Muskmelon** (77 days) Developed by Dr. Brent Loy at UNH, Earliqueen is a reliable early producer of 2-3 lb. oval fruits with small cavities and uniformly high quality. A good melon to start the season, its orange flesh is remarkably sweet for such a precocious ripener. Utterly dependable, perfect for those who have trouble getting vine-ripe fruit. Had the highest early yield in the 2002 Highmoor Farm trial, with a respectable Brix rating of 11.46. Picks out early; commercial growers will want to follow with a succession planting of a main-crop melon. ② **A**=1g, $1.50 (~47 seeds), **B**=3g, $4.00, **C**=15g, $14.00

**1030PP Passport Cantaloupe** (77 days) A delicious green-fleshed cantaloupe developed by Dr. Loy, which ripens more than a week earlier than Rocky Sweet. For maximum sweetness, harvest when skin color has turned yellow. If cool wet weather causes cracking before full ripening, harvest at first yellow blush and store for two or three days. Texture is smooth, color ranges from whitish-green near cavity to darker green towards rind, with a subtle delectable—almost tropical—taste. Tolerant to ANTH and GSB. ② **A**=1g, $1.50 (~33 seeds), **B**=3g, $4.00, **C**=15g, $14.00

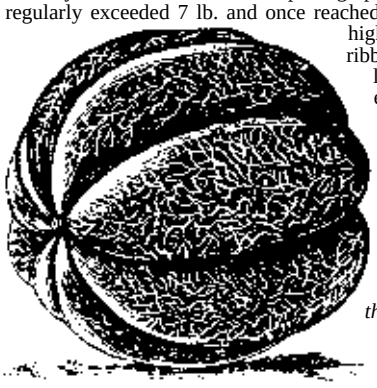
**1035HL Halona Muskmelon** (79 days) Halona has the size, earliness, thick very sweet orange flesh and dependability to replace Sugar Bowl, a tall order indeed. The 6" oval fruits averaging 4 lb. are laced with heavy netting. They boast small seed cavities and extraordinary sweetness, reaching Brix measurements of 14-15, surpassing any other melon we offer. In 2005 trialer Donna Dyrek had her first ripe melon on Sept. 10 from a June 23 transplanting, and consistent production of about four fruits from each of the 3 plants thereafter. Tolerant to some F strains, resistant to PM. ② **A**=1g, $1.80, **B**=3g, $5.20, **C**=15g, $25.00



**1046TH Athena Muskmelon** (80 days) "The plants were our most vigorous cucurbit in our greenhouse, the melons spectacular! A sweet, productive…delightful variety. Will definitely grow Athenas again," says Michigan grower Ann Elder. Ripens slightly ahead of Pulsar with nice orange interior color and good sweetness, not musky like Pulsar. Oval-round well-netted lightly ribbed fruits average 2½-4 lb. An excellent shipper, recommended for commercial growers and the favorite melon at Jill and Peter de Bethune's Common Ground Fair farmers market stall. 11.0 Brix at OSU trials. 2nd best yielder among 10 melons in 2002 University of Maine trial. No sales to South Carolina. Tolerant to F0,1,2 and PM1,2. ⑤
**A**=1g, $2.50 (~40 seeds), **B**=3g, $7.20, **C**=15g, $35.00

**1049HC Hannah's Choice Muskmelon** (87 days) After devouring a warm one on the sundrenched Fedco warehouse loading dock, Nikos wants to make Hannah's Choice your choice. "The best melon I ever tasted," she glowed with the genuine excitement of having made a rare discovery. Flavored like the tropical fruit cherimoya "custard apple"—smooth, perfumy, juicy with syrupy sweetness, the 6½ x 5½" large netted oval melons average 3-5 lb. with a high Brix rating of 13. Kudos to the Cornell University breeding program for developing this gourmet melon rated #1 at trials both in Freeville and Jamesport, NY, where it had an astonishing 96% marketable fruits by weight. At Freeville it bested Delicious 51, Earliqueen, Athena and Burpee Hybrid in color, depth, Brix and over-all quality. Resistant to PM, tolerant to F2, ZYMV, PRSV, WMV. **NEW!** ②
**A**=1g, $2.20, **B**=3g, $6.20, **C**=15g, $30.00

**1054PU Pulsar Muskmelon** (82 days) This robust Seminis melon will be hard to replace. Along with Earliqueen, Pulsar is the variety I depend on to produce vine-ripe fruit at Shooting Star Farm. For years Alden McCutchan of Kenyon, MN, sent me annual photographs of his largest specimens which regularly exceeded 7 lb. and once reached a high of 9½ lb. While that is highly unusual, Pulsar's large deeply ribbed fruits consistently average 4-6 lb. Orange flesh is slightly grainy, exceptionally sweet and aromatic. Received a Brix reading of 11 at MOFGA Exhibition Hall. Ripens dependably with consistent high quality and a muskiness that makes you go back for more. Very early for such a big melon—McCutchan has gotten ripe melons by mid-August. Tolerant to PM, F. *Our supply of this Seminis variety will carry over into 2008.* ⑥ **A**=1g, $2.50 (~38 seeds), **B**=3g, $7.20, **C**=15g, $35.00



**1090AM Ambrosia Cantaloupe** (91 days) Discriminating growers prefer this sweet juicy salmon-fleshed melon. Round fruits average 4 lb. with thick, almost silky smooth flesh and very small cavities. The taste lives up to its name. Very sweet, 13.0 Brix rating in OSU trials. *Not adaptable in short-season areas. This is the last year we will offer this Seminis variety.* ⑥ **A**=1g, $2.60 (~43 seeds), *not available in larger sizes.*

**1094SN Sugar Nut Canary** (85 days) If you're nuts about sugar, you'll be nuts about Sugar Nut. These early Canary melons are very, very sweet, yummy like candy with a smooth texture that satisfies. As a breakfast treat for kids, they're unbeatable, not musky but crunchy sweet. In 2003 Donna Dyrek's daughter Avalon rated them tops amoung the wide array of melons she had to choose from. 2 lb. fruits with small seed cavities and flavorful white flesh. Rind is striking bright yellow. Uniform ripening at full or forced slip. Stores well. Ripened for Dyrek in a bad melon year when Sweetie didn't. *Our stock of this Seminis variety should carry into 2008.* ⑥
**A**=1g, $2.50 (~30 seeds), **B**=3g, $7.20, **C**=15g, $35.00

### Hybrid HONEYDEW *C.m. (inodorus group)*

**1096ED Earli-Dew Honeydew** (88 days) A delicious green-fleshed smooth-skinned melon suitable for cool northern areas. 2½-3 lb. fruits blush yellow when mature. Tolerant to PM and F2. *This is the last year we will offer this Seminis variety.* ⑥ **A**=1g, $2.60 (~45 seeds), *not available in larger sizes.*

### Hybrid WATERMELON *Citrullus lanatus*

1 gram packet, about 20 seeds, sows 7 hills.

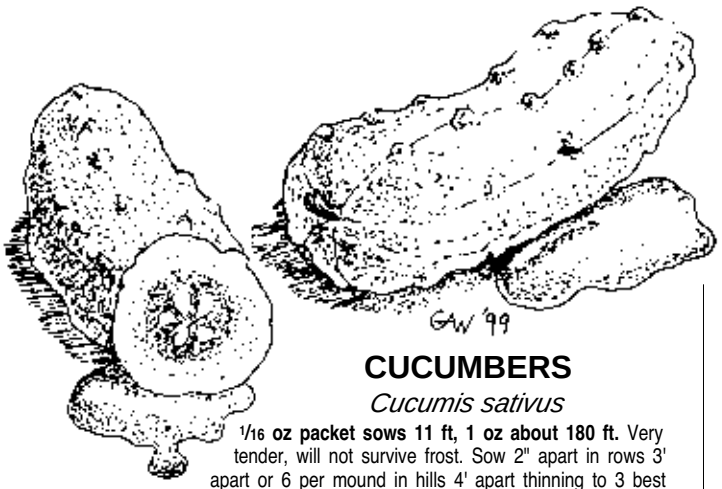
**1114PY Petite Yellow** (75 days) Petite Yellow is our choice to compete with the Bambino and PureHeart minimelons now all the rage in supermarkets. The favorite yellow watermelon of trialer Mike Morrisey who didn't really believe that he could grow a melon in the mountains of Idaho worth eating before he tried Petite. He calls it his "little ball of sugar"—good right down to the rind. These little 4-5 lb. cuties are only a bit more than half the size of a Yellow Doll. They fit the category of ready-to-go one-meal melons, sweet, juicy, with flavor and a texture that will please. There are very few seeds to interfere with Petite's blissful refreshing qualities. Commercial growers will also like its tough rind which resists cracking and makes them suitable for distant markets. *Special: price reduced.* ③ **A**=1g, $1.60, **B**=3g, $4.50, **C**=15g, $20.00

**1118PC Peace** (75 days) Many of you gave Peace a chance and discovered just how good a yellow watermelon can be. Coming in at the same 8 lb. size range, Peace surpasses Yellow Doll in flavor, texture and sweetness. It has that kind of drizzle-down-your chin juiciness that thoroughly satisfies on a hot humid late summer day. We thought we already had the best yellow watermelon in the world in Yellow Doll. But we didn't. You, too, can have Peace in your garden…Now if only we could have peace in the Middle East as well… ③
**A**=1g, $1.80, **B**=3g, $5.20, **C**=15g, $25.00

**1164JS Jade Star** (85 days) Though it is not a huge seller, losing Jade is really going to hurt. Since this Seminis variety stole the show in our watermelon trial over a decade ago, we've tried scores of other watermelons without finding any to match its taste. Jade produces sweet round dark green fruit in excess of 10 lbs. which ripen quickly for such a big melon. Deep red flesh—similar to that of Sugar Baby but superior in quality—contrasts with its dark rind. *This is the last year we will offer.* ⑥ **A**=1g, $2.60 (~24 seeds), **B**=3g, $7.50, *not available in larger sizes.*

**1176SF Sweet Favorite** (86 days) 1978 AAS from Sakata. One of the best oblong watermelons for the North. Consistently produces 10-13 lb. fruits with sweet bright red flesh. Green rind with dark stripes. "Phenomenal last year (2005)," reports Janine Wellsby. She averaged 5 melons per plant, most in the 15-20 lb. range. Tolerant to ANTH and F. ⑤ **A**=1g, $1.60 (~20 seeds), **B**=3g, $4.20, **C**=15g, $16.00

**1188SG Sangria** (88 days) Community Farm of Ann Arbor CSA reports, "Very tasty…very juicy…Made us very happy." The sweetest (12-14% sugars), juiciest watermelon in our trials. These elongated ovals average 10-12 lb. with dark green rind broken by light green stripes. Bright refined red flesh will satisfy the most avid sugar seekers. Sangria, the first hybrid Allsweet type ever developed, has been a big hit on the market. With #**1164** Jade Star on the way out, Sangria may become my new favorite. Cannot sell in South Carolina. *Caution: May not ripen in northernmost areas*. Tolerant to some races of ANTH and F. ⑤
**A**=1g, $1.90 (~20 seeds), **B**=3g, $5.50, **C**=15g, $26.00




# CUCUMBERS

*Cucumis sativus*

**1/16 oz packet sows 11 ft, 1 oz about 180 ft.** Very tender, will not survive frost. Sow 2" apart in rows 3' apart or 6 per mound in hills 4' apart thinning to 3 best plants. Combat striped cucumber beetles by handpicking early AM when the dew makes them sluggish, or use floating row covers, removing when cukes flower. Pick frequently for best production.

Bring cucumbers for your elevator ride? The Smell and Taste Treatment and Research Center in Chicago reports that the aroma of cucumbers (and also of green apples) reduces feelings of claustrophobia of people in cramped spaces.

See also #**6404** Cool Breeze.

## PICKLING

**1226NL National** (52 days) Open-pollinated. In 1924, aiming to create a variety adaptable for both small pickles and dills, the National Pickle Packers Association began a collaboration with the Michigan Agricultural Experiment Station. Within five years they had introduced National. Not quite as early as Northern Pickler, but tending to hold quality over a longer season, the firm black-spined dark-green fruits are usually quite sweet, rarely bitter. Plants are vigorous dependable producers. Resists CMV and scab. ② **A**=1/16oz, 70¢ (~65 seeds), **B**=1/4oz, $1.20, **C**=1/2oz, $2.10, **D**=1oz, $3.20, **E**=4oz, $7.50, **K**=1lb, $13.00

**1232CS Calypso** (52 days) Heavy-yielding hybrid of gynoecious type. Fruits medium-dark green with white spines. In a trial of 7 pickling varieties at Highmoor Farm, Calypso had the most early yield. Developed by North Carolina State. Tolerant to ANTH, ALS, CMV, DM, PM, resistant to scab. ② **A**=1/16oz, 80¢ (~55 seeds), **B**=1/4oz, $1.30, **C**=1/2oz, $2.20, **D**=1oz, $3.50, **E**=4oz, $10.00, **K**=1lb, $30.00

**1234CC Cross Country** (52 days) F-1 hybrid. Sales of over 1,000 packets for each of the past seven years prove that Cross Country goes the distance with our customers. Among cucumbers, only Marketmore 76 is more popular. The best pickler in our trials, Cross Country bears abundant blocky straight dark green white-spined fruit of uniformly good quality. Our trialer described its sweet taste as "crunchy and cool." Had good yields (5.5 lb. per plant), appearance, and long uniform fruit in Highmoor Farm trial. Has been highly rated in brine tests. Named for its widespread adaptability. Resistant to scab, ANTH, ALS, PM and DM. ⑤ **A**=1/16oz, $1.10 (~60 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.60, **D**=1oz, $6.80, **E**=4oz, $20.00, **K**=1lb, $65.00

**1244MG Mexican Sour Gherkin ECO** (65 days) *Melothria scabra* Open-pollinated. We love the unusual, so when we saw these cuties on exhibit at Common Ground Fair in 2004, we found them irresistible. So did the judges who bestowed them with a coveted Judges' Award. Imagine a rampant yet delicate scrambling vine covered with dozens of 1" green and white fruit that look like miniature watermelons. But they don't taste anything like watermelons, more like cucumbers with a crunchy texture and a slight sour zing as if they already had been pickled. Botanically, they are neither cucumber nor watermelon and won't cross with either. They don't bruise and they keep for a long time. Try them in stir fries or pickle them as gherkins. Easy to grow, and fun! Seed grown in Maine by Tom Vigue. **NEW!** ① **A**=0.5g, $1.20, *not available in larger sizes.*

## SLICING

**1308PO Poona Kheera OG** (60 days) Open-pollinated. Bored with American cucumbers and ready for something different? This emigré from India undergoes quite a metamorphosis, 4-5" fruits turning from mayonnaise color to golden yellow to russet brown, shaped almost like a potato as they mature. At each stage they remain extremely crisp, sweet, juicy, refreshing and bitter-free. A pleasant surprise for Nikos and CR in the trials. Vines vigorous, disease resistant and heavy yielding. Has become cucurbit aficionado Glenn Drowns' most asked-for cucumber. **NEW!** MOFGA-certified. ① **A**=1/16oz, $1.20, **B**=1/4oz, $2.40, **C**=1/2oz, $3.60, **D**=1oz, $6.00, **E**=4oz, $22.00, **K**=1lb, $70.00

**Marketmore 76** (63 days) Dr. Henry Munger's classic open-pollinated cucumber for the ages, long the leading slicing variety in the Northeast. Dark green 8-8 1/2" fruits show good uniformity. Vines vigorous throughout season. Tolerant to CMV, DM, PM, resistant to scab.

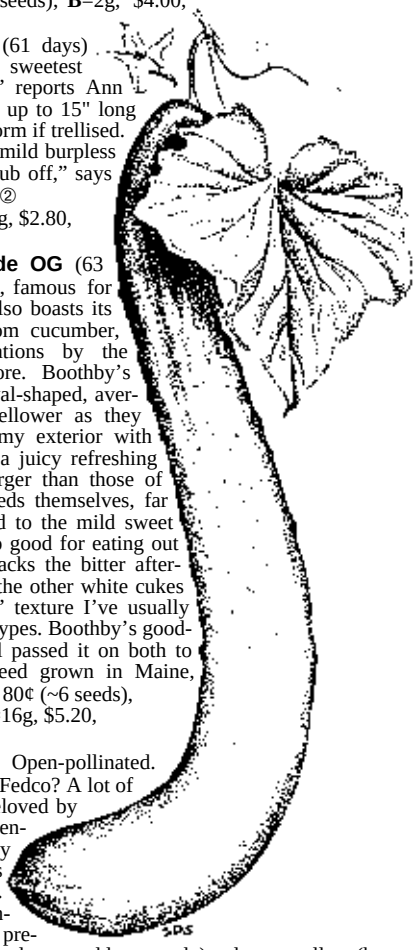
**1312MM Marketmore 76** ② **A**=1/16oz, 70¢ (~70 seeds), **B**=1/4oz, $1.20, **C**=1/2oz, $2.10, **D**=1oz, $3.20, **E**=4oz, $5.00, **K**=1lb, $14.00

**1313MO Marketmore 76 OG** CCOF-certified. ③ **A**=1/16oz, 90¢ (~85 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1oz, $4.00, **E**=4oz, $8.50, **K**=1lb, $25.00

**1328GL General Lee** (66 days) F-1 hybrid. Although the Confederate general fell a little short 142 years ago, this General is conquering some Yankee gardeners and farmers. High yields of uniform straight dark-green white-spined 8-8 1/2" slicers don't peter out in the halcyon days of summer. Doesn't develop yellow "bellies" and retains that good Sweet Salad flavor. Along with Cross Country (#**1234**), the best of the cucumbers we've tested in recent years. Tolerant to scab, CMV, PM and DM. ⑤ **A**=1/16oz, $1.20 (~64 seeds), **B**=1/4oz, $2.80, **C**=1/2oz, $5.00, **D**=1oz, $9.00, **E**=4oz, $32.00, **K**=1lb, $120.00

**1334MK Marketmore 86** (68 days) Open-pollinated. Similar to Marketmore 76 except it has a smaller semi-bush vine for easier picking. Broad disease tolerance (CMV, DM, PM and scab) and more vigor make the quality of its 8" fruits superior to other non-vining types. Not burpless. ② **A**=1/16oz, 80¢ (~65 seeds), **B**=1/4oz, $1.30, **C**=1/2oz, $2.00, **D**=1oz, $3.20, **E**=4oz, $7.00, **K**=1lb, $22.00

**1356SC Shantung Suhyo Cross** (60 days) F-1 hybrid. Produces a plethora of uniform 12-14" never-bitter sweet-tasting cukes. Even in dry conditions the vines keep making quality fruits which never develop shrunken necks. Our cucumbers were very gracefully curved, although had we provided trellising they would have been straight. Seed comes from Japan and is very expensive. Tolerant to DM, PM, CMV. *Short crop; order early* ⑤ **A**=0.5g, $1.20 (~20 seeds), **B**=2g, $4.00, *not available in larger sizes.*




**1358SO Suhyo Long OG** (61 days) Open-pollinated. "By far the sweetest 'meat' of all my cucumbers," reports Ann Elder. Asian cucumber grows up to 15" long with a curly shape. More uniform if trellised. These cukes are sweet with a mild burpless flavor. "Thorny, but easy to rub off," says Elder. OT or QCS-certified. ①② **A**=1g, $1.00 (~30 seeds), **B**=4g, $2.80, *not available in larger sizes.*

**1360BO Boothby's Blonde OG** (63 days) Open-pollinated. Maine, famous for Moody's Diner and Moxie, also boasts its own less well-known heirloom cucumber, maintained for five generations by the Boothby family of Livermore. Boothby's fruits are short, plump and oval-shaped, averaging 3-4" and becoming yellower as they mature. They feature a creamy exterior with contrasting black spines and a juicy refreshing interior. Seed cavities are larger than those of most other cukes, but the seeds themselves, far from being objectionable, add to the mild sweet flavor that makes the fruits so good for eating out of hand. Boothby's usually lacks the bitter aftertaste so common in many of the other white cukes we've trialed. Has the "cool" texture I've usually found only in the Mideastern types. Boothby's goodwill ambassador Will Bonsall passed it on both to Pinetree seeds and to us. Seed grown in Maine, MOFGA-certified. ① **A**=0.5g, 80¢ (~6 seeds), **B**=2g, $2.00, **C**=4g, $3.20, **D**=16g, $5.20, **E**=64g, $15.00

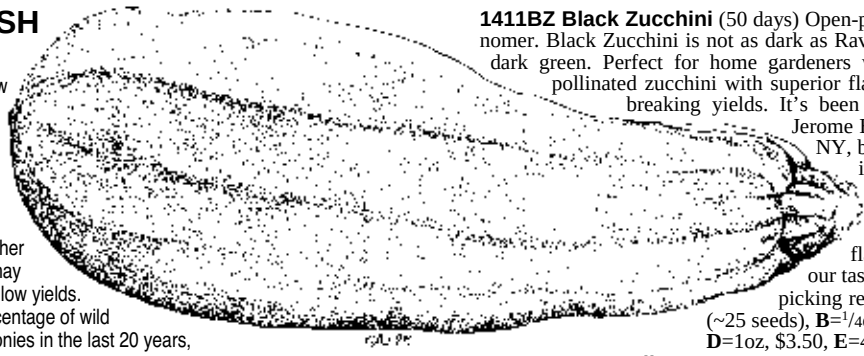
**1372LM Lemon** (68 days) Open-pollinated. Would you buy a lemon from Fedco? A lot of people will buy this lemon beloved by salad chefs and backyard gardeners alike. They'll get heavy yields of rounded 3" fruits shaped somewhat like lemons. Color evolves from pale greenish yellow (immature though preferred by some customers as tenderest and least seedy) to lemon yellow (best eating stage for most) to golden yellow (full maturity and seed production).Very crisp and sweet; never get bitter and one of the best for eating right out of the garden. Samuel Wilson of Mechanicsville, PA, introduced this lemon in his 1894 catalog, some years before Detroit started turning out some lemons you wouldn't buy. ② **A**=1/16oz, 80¢ (~57 seeds), **B**=1/4oz, $1.30, **C**=1/2oz, $2.20, **D**=1oz, $3.50, **E**=4oz, $8.00, **K**=1lb, $22.00

**1392TG Telegraph Improved European** (60 days) Originally developed for greenhouse production, but suitable for growing outdoors, this open-pollinated European cucumber has long (10-14") slim smooth-skinned fruits of very delicate mild flavor, seldom bitter. Unsupported vines will produce curved and misshapen fruit. Telegraph is parthenocarpic, meaning it can set fruit without being pollinated, an advantage in cold cloudy summers. ② **A**=1g, $1.00 (~35 seeds), **B**=4g, $3.20, *not available in larger sizes.*

**1396HL Holland** (62 days) F-1 hybrid. This Seminis variety was bred for greenhouse culture, producing the kind of slender smooth-skinned ultra long (12-16") elegant crisp sweet bitter-free cukes you can find individually plastic-wrapped in your supermarket. As tasty as it is expensive. If you grow this parthenocarpic cucumber outdoors, please trellis it for straight fruit. Tolerant to scab. *This is the last year we will offer. Seed in short supply; order early.* ⑥ **A**=0.5g, $3.60 (~20 seeds), *not available in larger sizes.*

# SUMMER SQUASH

*Cucurbita pepo*



Tender, will not survive frost. Sow in hills 4 ft. apart, 5 seeds/hill. Thin to 2-3 best plants. Pick squash when they are small for best flavor. Floating row covers can hasten maturity by 1 to 2 weeks. In early summer, a combination of cool, cloudy weather and a declining bee population may result in poor pollination causing low yields. Mites have wiped out a high percentage of wild and domesticated honeybee colonies in the last 20 years, creating a real crisis for cucurbit growers.

Pest: Striped Cucumber Beetle
Cultural control: use tolerant or resistant varieties, rotate crops, till under crop debris soon after harvest, use floating row covers (#**9101**) until flowers appear, perimeter trap cropping (#**1411** Black Zucchini and #**1655** Blue Hubbard are particularly attractant and make good trap crops), use yellow sticky tape, hand-pick early am when beetles are very sluggish.
Materials: Surround (#**8831**), Pyrethrum, Rotenone (not OMRI-allowed).

## ZUCCHINI

**⅛ oz packet sows 4-6 hills; 1 oz 40 hills.** 160-240 seeds/oz. With all the descriptive names New Englanders have for overgrown zucchinis, it is interesting to note that the word 'zucchini,' which means "little squash" in Italian, was not in common parlance until the late '30s. Squash expert Amy Goldman, author of *The Compleat Squash* (ISBN 1-57965-251-4), traces the first true zucchini to 1901 in Milan, but vegetable marrows and cocozelles, now called zucchinis, are considerably older.

**1402EB Eight Ball** (40 days) F-1 hybrid. Noted squash seed grower Hollar did not have to hire Minnesota Fats as their publicity director to win an AAS for Eight Ball and we're not hustling when we tell you that Eight Ball deserved the award. Eight Ball has the sweetness and squash flavor that heretofore had been missing from round zucchinis. Yes, the attractive shiny speckled dark fruits are mature when they're just a little bigger than pool balls. The plant's open bush habit should please both home and market growers. Its earliness might well give you your first ripe squash of the season. They'll keep coming, too, till they run your table! ② **A**=1/8oz, $1.30 (~25 seeds), **B**=1/4oz, $2.40, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $30.00, **K**=1lb, $110.00

**1404JP Jackpot** (42 days) F-1 hybrid from Hollar. In our trials to find a replacement for #**1408** Seneca, we have hit the Jackpot. Looks similar to Seneca with a bit more ridging near the stem. Produces high yields of long medium-dark-green slightly speckled fruits. Open plant habit features a long single stem bush with few spines. Continuous production of firm 6½" zukes, tender, mildly flavored and sweet. Take it to market and win the pot. **NEW!** ② **A**=1/8oz, $1.20, **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $16.00, **K**=1lb, $60.00

**1406SB Spineless Beauty** (46 days) F-1 hybrid. No, this variety was not named for the loyal opposition in Congress. If only we could transform some of our politicians into zucchinis…In zucchinis, spinelessness is a virtue, and when you harvest Spineless Beauty your hands (unlike Tom DeLay's palms) will never itch. The 7½x1½" medium-dark green fruits are borne on open plants with spineless petioles. A standout in Sam Birch's and Highmoor Farm's summer squash trials. ⑤ **A**=1/8oz, $1.30 (~26 seeds), **B**=1/4oz, $2.40, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $30.00, **K**=1lb, $110.00

**1408SN Seneca** (48 days) F-1 hybrid. Early, very prolific slim medium-green fruits. Was for many years our highest volume summer squash, yearly sales translating to production of more than one million zucchinis annually. *This is the last year we will carry this Seminis variety.* ⑥ **A**=1/8oz, $1.40 (~184 seeds), **B**=1/4oz, $2.40, *not available in larger sizes.*

**1409RV Raven** (48 days) F-1 hybrid An instant sales hit when we introduced it in 2004. Raven sets the standard for dark zucchini. The smooth-skinned glossy shapely greeny-black fruits make Raven the likely winner in the zucchini beauty contest, but its merits go more than skin deep. Research by Dr. John Navazio showed that Raven's dark pigmentation contains more of the antioxidant lutein, which helps preserve eyesight, than lighter-skinned zucchini varieties. Relatively early concentrated production so market growers might want to make succession plantings. ⑤ **A**=1/8oz, $1.50 (~28 seeds), **B**=1/4oz, $2.50, **C**=1/2oz, $4.80, **D**=1oz, $9.00, **E**=4oz, $35.00, **K**=1lb, $125.00

**1411BZ Black Zucchini** (50 days) Open-pollinated. Here's a bit of a misnomer. Black Zucchini is not as dark as Raven or Arlesa but instead a very dark green. Perfect for home gardeners who are looking for an open-pollinated zucchini with superior flavor, and good, but not record-breaking yields. It's been around since 1931, when the Jerome B. Rice Seed Co. of Cambridge, NY, brought it from California where it was very popular. Fruits of greenish-white firm tender flesh with small seed cavities, are best picked around 6". The flavor was well above average in our taste tests. Open plant habit makes picking relatively easy. ②③ **A**=1/8oz, 80¢ (~25 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1oz, $3.50, **E**=4oz, $5.00, **K**=1lb, $10.00

**1434CZ Cocozelle** (53 days) Open-pollinated. Rich-flavored zucchini ribbed with light green stripes. Originated in Italy and called *Cocozella di Napoli* in the 1800s. The term 'zucchini' was first used by California seed house Aggeler & Musser in 1921. ② **A**=1/8oz, 80¢ (~25 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1oz, $3.50, **E**=4oz, $5.00, **K**=1lb, $10.00

**Gold Rush** (54 days) F-1 hybrid. We have dropped this Seminis/Monsanto variety. *Not available in 2007.*

**1442SB Sebring** (50 days) F-1 hybrid. An improvement on Gold Rush which it replaces. A beautiful golden straight-sided cylindrical zucchini, relatively free of green tips. Open plant habit for easy harvesting. Resistant to PM. Averaged 17 fruits per plant when picked as babies, 6 when picked large. **NEW!** ② **A**=1/8oz, $1.30 (~30 seeds), **B**=1/4oz, $2.40, **C**=1/2oz, $4.00, **D**=1oz, $7.00, **E**=4oz, $25.00, **K**=1lb, $90.00

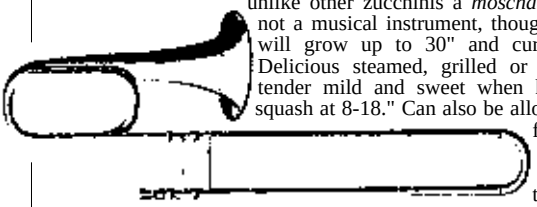
**1444GZ Golden Zucchini** (57 days) Open-pollinated. For many years we thought we had to purchase hybrid seed to get this color in zucchini. Not so. These slender bright golden-yellow fruits are every bit as lovely as the F-1s. The bush plants are dependable, though not spectacular, producers. Seven weeks into the production cycle they still had enough juice to yield three fruits good enough to display in the Exhibition Hall at Common Ground Fair. We liked their flavor, too, and they are more nutritious than green zukes. Introduced in 1973 by Burpee, a product of breeding work by Dr. Oved Shifriss, who transferred the bicolor gene, *B*, from bitter bicolor pear gourds to edible-fruited squashes. ② **A**=1/8oz, 90¢ (~30 seeds), **B**=1/4oz, $1.60, **C**=1/2oz, $2.80, **D**=1oz, $4.50, **E**=4oz, $10.00, **K**=1lb, $34.00

**Costata Romanesca** (60 days) Open-pollinated. Trish Mumme of OEFFA says "everything is big about this variety. Huge long-lived plants take over the squash patch, muscling out the weaker varieties. The fruits seem to "form big," often 8-10" long when the blossom falls off. But they're even bigger on flavor, even if they get a little oversized before you pick them." According to Will Bonsall, "the only summer squash worth bothering with, unless you're just thirsty." Deeply striped and ribbed, Costata resembles Cocozelle, but its sweet mildly nutty flavor is distinctive. Also a productive source for tasty male squash blossoms. Tender skin damages easily, a liability for commercial transport. If you want to win the blue ribbon for largest summer squash at your fair, grow Costata. Noah and Sylas Goldfarb of Steuben, ME, did, and their 20-pounder won top honors at Common Ground Fair. ①③ **A**=1/8oz, $1.00 (~20 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.00, **D**=1oz, $5.20, **E**=4oz, $14.00, **K**=1lb, $50.00

**1456CR Costata Romanesca** ③ **A**=1/8oz, $1.00 (~20 seeds), **B**=1/4oz, $1.80, *not available in larger sizes.*

**1457CO Costata Romanesca OG** MOFGA-certified. ① **A**=1/8oz, $1.20, **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $16.00, **K**=1lb, $60.00

**1460TR Tromboncino** (60 days summer squash, 90 days winter squash) *C. moschata* Open-pollinated. Also known as zucchini rampicante, although unlike other zucchinis a *moschata*. Despite its name, not a musical instrument, though the green-tan fruits will grow up to 30" and curve like a trombone. Delicious steamed, grilled or sliced raw in salad, tender mild and sweet when harvested as summer squash at 8-18." Can also be allowed to grow full size for baking as winter squash. Several customers requested us to add this venerable Italian heirloom. Italians use it in gnocchi and for stuffing ravioli. As might be inferred by its alias, its vines are rampant and should be trellised. Susan Setzler thinks that it is better than most other zucchinis. It sure is more unusual. **NEW!** ② **A**=1/8oz, $1.20, **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $16.00, **K**=1lb, $55.00



## LEBANESE

Lebanese, yellow, patty pan squashes: **⅛ oz packet sows 5-8 hills, 1 ounce 40-60 hills**, 200-320 seeds/oz.

**1488WB White Bush** (50 days) Open-pollinated. Also called Mid-East or Cousa squashes, Lebanese types are bulbous-shaped light green with white speckles. Robust bushes are prolific croppers; yielded 15 fruits per plant in 2003 trial plot. Pick fruits when they are young and tender or allow them to fatten for stuffing. Very flavorful. ② **A**=1/8oz, 80¢ (~26 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1oz, $4.00, **E**=4oz, $8.00, **K**=1lb, $15.00

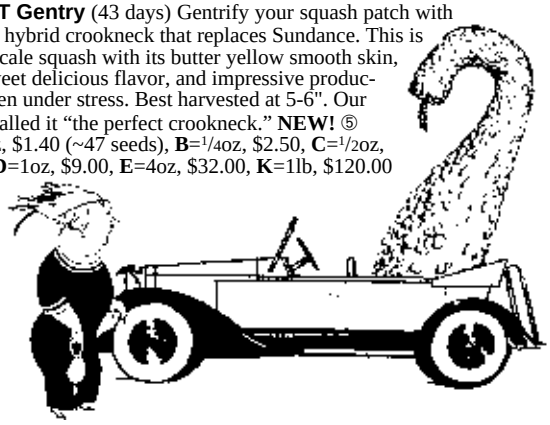
## YELLOW

**Papaya Pear** (42 days) We have dropped this Seminis/Monsanto hybrid. *Not available in 2007.*

**Sundance** (47 days) We have dropped this Seminis/Monsanto hybrid. *Not available in 2007.*

**1504SF Saffron** (42 days) Open-pollinated replacement for Seneca Prolific. We're just mad about Saffron, a 4-6" yellow semi-crookneck that excelled in our 2005 trials. Less warty than straightneck squashes. Small single-stem bush with open structure but very large leaves gives good sunburn protection. They call it mellow yellow. **NEW!** ② **A**=1/8oz, 80¢ (~26 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1oz, $4.00, **E**=4oz, $8.00, **K**=1lb, $15.00

**1507GT Gentry** (43 days) Gentrify your squash patch with this F-1 hybrid crookneck that replaces Sundance. This is one upscale squash with its butter yellow smooth skin, mild sweet delicious flavor, and impressive production, even under stress. Best harvested at 5-6". Our trialer called it "the perfect crookneck." **NEW!** ⑤ **A**=1/8oz, $1.40 (~47 seeds), **B**=1/4oz, $2.50, **C**=1/2oz, $4.80, **D**=1oz, $9.00, **E**=4oz, $32.00, **K**=1lb, $120.00



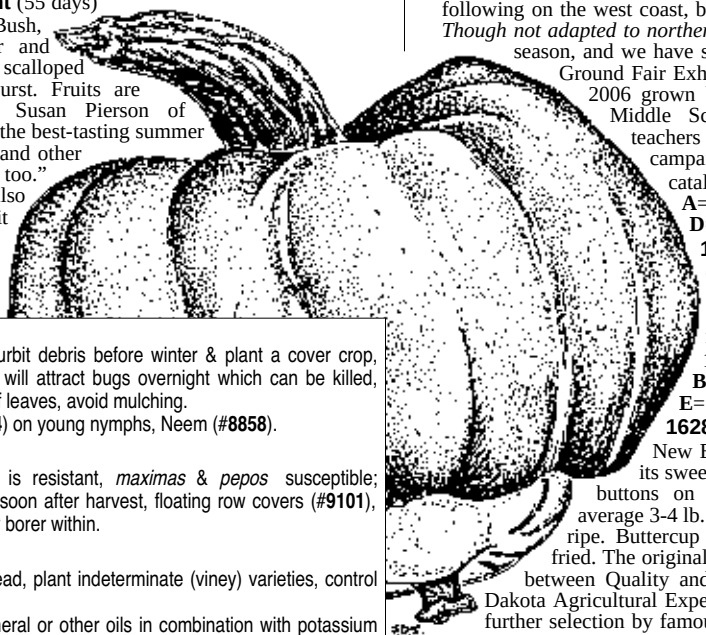
**1522SP Seneca Prolific** (51 days) F-1 hybrid. Heavy-yielding yellow straightneck squash for the North. High yields early. *This is the last year we will carry this Seminis variety.* ⑥ **A**=1/8oz, $1.30 (~47 seeds), **B**=1/4oz, $2.20, *not available in larger sizes.*

**1539CO Early Summer Yellow Crookneck OG** (58 days) Open-pollinated. Deep yellow warted fruits with bulbous shape and narrow curved necks. Best when picked young. Probably grown by Native Americans. Dates back to 1700 and a standard in early 19th century American seed catalogs. The 1888 Burpee catalog rather uncomplimentarily described it as "covered with warty excrescences" but called the flavor "excellent." Burpee charged a nickel for a packet, a dime for an ounce, and 75¢ per pound. CCOF-certified. ③ **A**=1/8oz, $1.10 (~40 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.20, **D**=1oz, $4.50, **E**=4oz, $8.00, **K**=1lb, $25.00

## PATTY PAN

**1580SN Sunburst** (52 days) F-1 hybrid. Gourmets call Patty Pans "scallopini," and consider them the most appetizing of the summer squashes. They were also known as simlins or cymlings a century ago. Sunburst is among the most attractive of the Patty Pans with its bright yellow skin. 1985 AAS. ⑤ **A**=1/8oz, $1.70 (~39 seeds), **B**=1/4oz, $3.20, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $40.00, **K**=1lb, $150.00

**1590BG Benning's Green Tint** (55 days) Also known as Farr's White Bush, developed by Charles M. Farr and introduced 1914. Open-pollinated scalloped pale green counterpart to Sunburst. Fruits are most tender at 2-3" diameter. Susan Pierson of Massachusetts rates Benning's as the best-tasting summer squash, "far surpassing Sunburst and other summer squashes—good texture, too." Market grower Alan LePage also lauds its flavor and considers it underappreciated. ② **A**=1/8oz, 80¢ (~34 seeds), **B**=1/4oz, $1.50, **C**=1/2oz, $2.50, **D**=1oz, $4.00, **E**=4oz, $7.00, **K**=1lb, $14.00



Pest: Squash Bug
Cultural controls: rotation, till in cucurbit debris before winter & plant a cover crop, boards on soil surface near squash will attract bugs overnight which can be killed, destroy egg clusters on undersides of leaves, avoid mulching.
Materials: Pyrethrum (PyGanic #**8924**) on young nymphs, Neem (#**8858**).

Pest: Squash Vine Borer
Cultural controls: butternut squash is resistant, *maximas* & *pepos* susceptible; rotation, plow in squash vine debris soon after harvest, floating row covers (#**9101**), watch for wilting plant parts & destroy borer within.

Disease: Powdery Mildew
Control: Use small plots to slow spread, plant indeterminate (viney) varieties, control weed competition.
Materials: sulfur and whole milk, mineral or other oils in combination with potassium bicarbonate.

Disease: Bacterial Wilt
Cultural control: Striped Cucumber Beetle is vector; control it, choose resistant varieties.

# Open-pollinated WINTER SQUASH

Plant 4-5 seeds per hill. Allow 4-6 feet between hills. Approximate seed counts: acorn, butternut 280 seeds/oz, buttercup 160 seeds/oz, hubbard 120 seeds/oz, spaghetti 190 seeds/oz. **⅛ oz packet sows: acorn, butternut 7 hills, buttercup, delicata 4 hills, hubbard 3 hills, spaghetti 5 hills**.

Tender, not frost hardy. Heavy nitrogen feeders. Excessive heat and/or drought can prevent blossom set, reduce yields.

Dr. Brent Loy of UNH has found that acorn squash often are not fully ripe even when they attain full size and color. They continue to develop sugars until 45 days after pollination. Only then should they be picked.

Winter squash can take one or two light frosts on the vine. To improve flavor and storage, field cure for at least 10 days after harvest, covering if hard frost threatens. Store under proper conditions, 50˚ and 60-70% relative humidity. Storing at temperatures under 50˚ reduces shelf life. Acorns have the shortest storage time before getting stringy, followed by delicatas, buttercup/kabochas. Butternuts are the best keepers and contain 30% more vitamin A than hubbards and 80% more than acorns. Be sure to use damaged or small fruit first.

New England seedsman James J.H. Gregory called hubbards "the acme of perfection in squashdom." He introduced them to commerce around 1850. Butternut, the most recent of our storage types, was introduced in 1936 by Joseph Breck and Sons of Boston, out of Canada Crookneck, an 1800s variety.

**1604YO Paydon Heirloom Acorn OG** (105 days) *Cucurbita pepo* Acorn squash never tasted this good! When we held a squash tasting last February in honor of *Boston Globe* food writer Jonathan Levitt's visit to our warehouse, Paydon was the surprise winner. This extremely rare large tan acorn made its way from France to Louisiana to Ohio to Bosco, IL, where it was maintained by the Paydon family since the 1860s. We thank Shane Murphy of Seed Dreams for providing our stock seed. We have never had a sweeter acorn. Its flavor, texture and sweetness are closer to those of Delicata or Sweet Dumpling than to any other acorn variety. Delicious yellow flesh, though a bit stringy. Teardrop-shaped fruits turn from cream tan to bright yellow in storage. Vines are extremely vigorous. Until now difficult to obtain in commerce. *Requires too long a season for cold northerly areas.* **NEW!** OTCO-certified. ① **A**=1/8oz, $1.20, **B**=1/4oz, $2.20, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $20.00, **K**=1lb, $70.00

**1608TQ Table Queen Acorn** (90 days) *C. p.* 1½-2 lb. black-green ribbed fruits. Good for baking. Dry flesh is best eaten within 3-4 months after harvest. Introduced by the Iowa Seed Co. in Des Moines in 1913, once known as Des Moines, Queen ushered in a trend away from monster squashes in favor of smaller fruits. A similar squash was grown by the Arikara tribe in North Dakota. Seedsman Henry Field claimed that Table Queen "makes a better pumpkin pie than a pumpkin," but he must not have tried pies from #**1723** Long Pie or #**1718** Winter Luxury. Peto-Hollar charged 72¢ per pound wholesale for Table Queen in 1953. ② **A**=1/4oz, 80¢ (~73 seeds), **B**=1/2oz, $1.50, **C**=1oz, $2.50, **D**=4oz, $5.00, **E**=1lb, $15.00, **K**=5lb, $70.00

**1618PB Pink Banana** (105 days) *C. maxima* Squash maven Amy Goldman says "the Bananas…are top tier.…Don't be put off by their outrageous appearance and sometimes gigundo size." Pink Banana, with its exaggerated banana shape and ridiculous 5x18" dimensions, surely fits that description, but its moist sweet orange flesh is also ridiculously good. Offered by Aggeler & Musser Co. in 1893, it developed an underground following on the west coast, but has never been widely grown in our parts. *Though not adapted to northern areas*, it can be grown in Maine in a good season, and we have seen several noble specimens at the Common Ground Fair Exhibition Hall, the most recent a 20-pounder in 2006 grown by the kids in the wonderful Troy Howard Middle School garden program guided by master teachers Steve Tanguay and John Thurston. I have campaigned for years to get this top banana into our catalog, so please give it a try. **NEW!** ② **A**=1/4oz, $1.00, **B**=1/2oz, $1.80, **C**=1oz, $3.00, **D**=4oz, $8.00, **E**=1lb, $25.00

**1622BU Bush Buttercup** Emerald strain (80 days) *C. maxima* Fruits generally a lighter green than Burgess Buttercup, not as uniform or good quality but ready 2 weeks earlier. Its mostly bush habit saves space. Introduced 1952. ② **A**=1/4oz, 90¢ (~35 seeds), **B**=1/2oz, $1.70, **C**=1oz, $3.20, **D**=4oz, $7.50, **E**=1lb, $22.00, **K**=5lb, $100.00

**1628BB Burgess Buttercup** (95 days) *C. max.* New England's favorite winter squash, enjoyed for its sweet deep-orange flesh. Fruits, with acorn-shaped buttons on the blossom end and flattened shoulders, average 3-4 lb. with about 4 per hill. Stem is well dried when ripe. Buttercup squash blossoms have a good aroma when fried. The original buttercup strain showed up as a chance cross between Quality and Essex Hybrid in the trial garden at North Dakota Agricultural Experiment Station during the 1925 season. After further selection by famous seedsman Albert Yaeger, Oscar H. Will of Bismarck introduced it in his 1931 catalog. Alan Kapuler has said, "If you pick only one squash to grow this is it." ② **A**=1/4oz, 90¢ (~31 seeds), **B**=1/2oz, $1.70, **C**=1oz, $3.20, **D**=4oz, $7.00, **E**=1lb, $19.00, **K**=5lb, $90.00

**1630DO Uncle David's Dakota Dessert OG** (95 days) *C. max.* Buttercup squash at its best. This outstanding strain which David Podoll calls "the original buttercup" has been in the Podoll family for 70 years. They've been selecting it for 40 years, crossing it with hubbards and other *maximas*, primarily for color, taste, sweetness, and vigor and hardiness in cold weather, but also for thick flesh, small seed cavities and higher productivity, while maintaining the buttercup look. The results show. In our 2004 trial, planted atop a manure pile, the yield was astonishing, the three hills giving more than 60 fruits. Even under normal conditions, expect 3 to 4 fruits per plant. The Podoll family named the squash because they bake it into pies without using any other sweetener. But make no mistake, this is also a versatile main dish squash, with all the character that makes buttercup a New England favorite. And it is one rugged buttercup, withstanding all those June extremes in 2005 without skipping a beat, and persevering through the cold summer of 2004 to produce all those squash. IFOAM-certified. ① **A**=1/4oz, $2.00 (~31 seeds), **B**=1/2oz, $3.60, **C**=1oz, $6.60, *not available in larger sizes*

**Burpee's Butterbush OG** (87 days) Crop failure, *not available in 2007.*

**1640NO Ponca Baby Butternut OG** (90 days) *C. moschata* Miniature butternut produces 2 lb. fruits with small seed cavities ideal for short-season gardeners who like butternut but can't vine-ripen Waltham. These small fruits ripen tan without green streaking, but don't store as well as their big Waltham cousins. Developed by Dermot P. Coyne at the University of Nebraska in 1976. **BACK!** OT-certified. ① **A**=1/8oz, $1.20 (~50 seeds), **B**=1/4oz, $2.20, **C**=1/2oz, *not available in larger sizes.*

**Waltham Butternut** (105 days) *C. mos.* Elegant 9" tan fruits weighing 4-5 lb. Orange dry flesh has a sweet nutty flavor. Excellent keeper. Bred by the Massachusetts Agricultural Extension Service by crossing New Hampshire Butternut (a 1956 Yaeger/Meader development) with a neckless *moschata* from Turkey, and introduced by Bob Young of Waltham, MA. The most important squash in Virginia and the Carolinas because more resistant to squash vine borers than other types. Won 1970 AAS. *Caution: often fails to ripen in northernmost areas.*

**1644WB Waltham Butternut** ② **A**=1/4oz, 80¢ (~72 seeds), **B**=1/2oz,$1.50, **C**=1oz, $2.80, **D**=4oz, $5.50, **E**=1lb, $15.00, **K**=5lb, $70.00

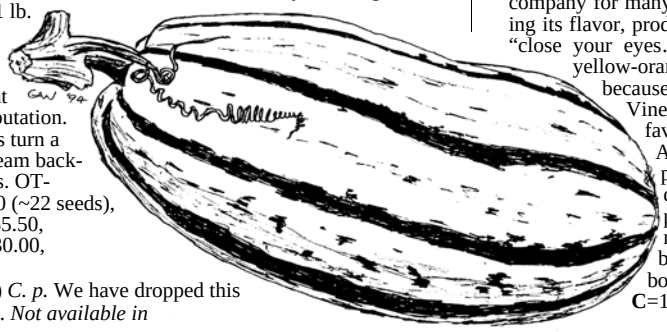
**1645WO Waltham Butternut OG** CCOF-certified. ③ **A**=1/4oz, $1.10 (~72 seeds), **B**=1/2oz, $2.00, **C**=1oz, $3.80, **D**=4oz, $10.00, **E**=1lb, $30.00, *not available in size K, order size E.*

**Candy Roaster** (112 days) *C. max.* Quite rare, there is only one listing in the 2005 Seed Savers Yearbook. That's a shame because it has superb sweet eating quality worthy of its name. It may even make the best baked squash in the world. This big *maxima* grows rampant vines, large leaves and matures somewhat warty pinkish-orange enlarged buttercup-shaped fruits with blue-green markings. Originally called Candy Roaster Melon Squash (it can be enjoyed at immature muskmelon-size as a sweet treat) it should not be confused with the banana-shaped North Georgia Candy Roaster. Certainly *better adapted to a hotter climate than ours* and may have originated in North Carolina. Warmth brings out its sweetness. Will require good fertility, some coddling and a little luck with the weather to succeed in our area. Laura Mattone of Easthampton, MA, reports it can be done. "The Candy Roaster put on a magnificent show. The fruits were enormous and beautiful."

**1646CR Candy Roaster ECO** ① **A**=1/8oz, $1.70, **B**=1/4oz, $3.20, **C**=1/2oz, $6.00, **D**=1oz, $11.00

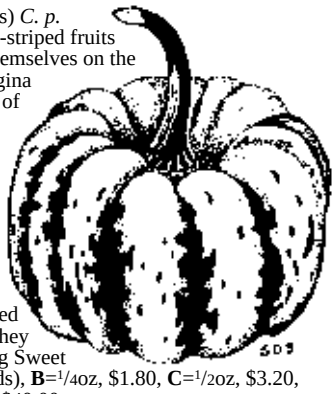
**1647CO Candy Roaster OG** QCS-certified. ① **A**=1/8oz, $1.70 (~18 seeds), **B**=1/4oz, $3.20, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $30.00, **K**=1lb, $110.00

**1648ZO Zeppelin Delicata OG** (100 days) *C. p.* Amy Goldman says, "most…*pepos* are long on texture and short on flavor but not Delicatas." Zeppelin is good Delicata, from an old strain that was not affected when the trade allowed this beloved 1894 heirloom to be crossed by desert gourds. The lovely ivory-colored 1 lb. fruits with dark green stripes are oblong and not stubby and have the unsurpassed sweetness that gives Delicata its good reputation. In storage the green stripes turn a delicate orange and the cream background sometimes yellows. OT-certified. ① **A**=1/8oz, $1.60 (~22 seeds), **B**=1/4oz, $3.00, **C**=1/2oz, $5.50, **D**=1oz, $10.00, **E**=4oz, $30.00, **K**=1lb, $100.00



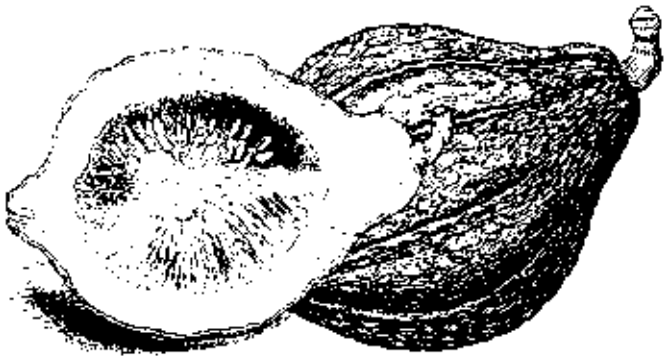
**Bush Delicata** (90 days) *C. p.* We have dropped this Seminis/Monsanto variety. *Not available in 2007.*

**1650SD Sweet Dumpling** (100 days) *C. p.* Stunning 1-1 1/2 lb. ivory-colored green-striped fruits shaped like miniature pumpkins sell themselves on the stand. *New York Times* food writer Regina Schrambling calls them the "avocados of squash" for their inherent buttery richness and sweet-tangy taste. But make sure your Dumpling is ripe before you stick it in the oven. Underripe Dumpling fruits taste starchy and insipid, nothing like the sweet dry and memorably rich deep orange flesh of the mature ones. Introduced by Sakata Seed Corp. of Yokohama, Japan, in 1976 and marketed as Vegetable Gourd. Sold better after they changed its name to the more appealing Sweet Dumpling. ② **A**=1/8oz, $1.00 (~85 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.20, **D**=1oz, $5.20, **E**=4oz, $13.00, **K**=1lb, $40.00



**1652GO Galeux d'Eysines OG** (98 days) *C. max.* Its full name Brodé Galeux d'Eysines translates to "embroidered with pebbles." Garden writer Barbara Damrosch says "it looks as if peanut-shaped worms were crawling about its surface." Depending on your point of view, it is either among the ugliest or most beautiful of all squashes. I vote for the latter. This heirloom, hailing from the Bordeaux region of France, was listed by Vilmorin in 1883 who called it Warted Sugar Marrow. It resurfaced at the Pumpkin Fair in Tranzault, France, in 1996. Shaped like round slightly-flattened pumpkins, the 15 lb. fruits have salmon-peach skins covered with large warts. Although Galeux is worth growing for beauty alone, its tender moist sweet orange flesh is delightful in soups or baked. Cucurbit aficionado Amy Goldman recommends sautéing it in butter or using it in place of white beans in garbure, "a fabulous main course soup" from Bordeaux. Ripened easily from direct seeding even during the indifferent 2004 season. Got the seal of approval from MOFGA Board members at our October potluck. For your autumn pleasure; not a good keeper. BSO-certified. ① **A**=1/16oz, $1.80, **B**=1/8oz, $3.40, **C**=1/4oz, $6.20, **D**=1/2oz, $12.00, **E**=1oz, $22.00, **K**=4oz, $60.00

**1653HO Green Hokkaido OG** (98 days) *C. max.* Slate-green fruits with thick yellow flesh preferred by those who like their squash very dry but not particularly sweet. Like other Kabocha-type squashes, gains sweetness and improves in flavor during storage. Ribbed rounded fruits slightly smaller than buttercups. Yield sparing. There may be a small percentage of off-types resembling Red Kuri. OT-certified. ① **A**=1/8oz, $1.20 (~15 seeds), **B**=1/4oz, $2.20, **C**=1/2oz, $4.20, **D**=1oz, $7.50, **E**=4oz, $24.00



**1654BB Baby Blue Hubbard** (95 days) *C. max.* Also known as Kitchenette, a scaled-down version of Blue Hubbard (#**1655**). Baby Blue's vines are much more compact and its fruits much smaller (about 4-5 lbs.), without sacrificing much quality. A 1953 cross between Blue Hubbard and Bush Buttercup developed at the University of New Hampshire. ② **A**=1/8oz, $1.00 (~40 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.20, **D**=1oz, $5.20, **E**=4oz, $14.00, **K**=1lb, $40.00

**1655BH Blue Hubbard** New England strain (100 days) *C. max.* Introduced in 1909 by famous seedsman James J.H. Gregory as Symmes Blue Hubbard, in honor of S.S. Symmes, a gardener who worked for his company for many years. Gregory considered it his best introduction, praising its flavor, productivity and storage qualities. In his 1917 catalog he said "close your eyes…and you would think you were eating cake." Bright yellow-orange dry sweet flesh. Each squash will feed a large family because fruits average 15-20 lb, sometimes exceeding 30 or 40 lb. Vines crawl all over the garden. Traditional New England favorite. I often stuff one for Thanksgiving and families at Ann Arbor, MI, CSA use them as Thanksgiving centerpieces. Prized also for its large white sweet seeds—delicious roasted. Blue Hubbard has proven effective as a perimeter trap crop for striped cucumber beetles. The technique is to completely encircle a main crop of other cucurbits with Hubbard vines, concentrating the pests in the border areas. ② **A**=1/4oz, $1.00 (~29 seeds), **B**=1/2oz, $1.80, **C**=1oz, $3.50, **D**=4oz, $8.40, **E**=1lb, $24.00, **K**=5lb, $110.00

**1656RK Red Kuri** (92 days) *C. max.* Also called Uchiki Kuri; *Kuri* means chestnut in Japan. Growers admire its spectacular red-orange fruits, among the most attractive of all squashes. Their flavor elicits a wide range of comments from "the best winter squash" to "glorified zucchini, flavor like water." Liking the dry flesh of this Japanese squash, we think the truth lies somewhere in between. Very popular at roadside stands. Teardrop-shaped fruits avg. 3-4 lb. Though reputed to be good keepers, their thin skins do not store well, according to members of at least one CSA. Also prized for the aroma of their blossoms when fried. ⑤ **A**=1/8oz, $1.20 (~15 seeds), **B**=1/4oz, $2.20, **C**=1/2oz, $4.20, **D**=1oz, $8.00, **E**=4oz, $25.00, **K**=1lb, $95.00

**1658SO Seminole OG** (105 days) *C. mos.* Creek-speaking Seminole Indians gave it the name *chassa-howitska*, meaning "hanging pumpkin." Rated one of the ten most endangered American foods by RAFT, these buff-colored 7" tear-drop-shaped squashes were cultivated by the Seminoles in the Everglades region of Florida in the 1500s. The seeds were sowed at the base of girdled trees, so that the irrepressible vines, which grow in excess of 30', climbed the trunks, allowing the fruit to hang from the bare limbs. The deep orange flesh is sweeter than butternut, superb for pie stuffings, soup and baked treats, and the key ingredient in delicious Seminole pumpkin bread. Rated third among 21 varieties in Restoring Our Seed's 2005 fall taste test, and was co-star with **#1604** Paydon in our February 2006 warehouse feast. Resistant to vine borers. Extremely hard rind must be cracked like a coconut. Stores nearly forever. Loves hot humid climates, so a great performer in the south and along the Atlantic seaboard. *Probably requires too long a season to thrive in northerly climates.* **NEW!** BSO-certified. ① **A**=1/8oz, $1.50, **B**=1/4oz, $2.80, *not available in larger sizes*.

**1660SM Sweet Meat** (95 days) *C. max.* This tasty 12-15 lb. slate-grey heirloom, maintained by an Oregon family for 100 years and sold by Gill Bros. of Portland, OR, has a loyal following in the West, but is still underappreciated in our part of the country. Its dry sweet nutty thick orange flesh improves in storage. Much more economical than Blue Hubbard with a flavor rivaling that of the old New England favorite. ② **A**=1/4oz, 80¢ (~20 seeds), **B**=1/2oz, $1.60, **C**=1oz, $3.00, **D**=4oz, $6.50, **E**=1lb, $16.00, **K**=5lb, $75.00

| Weight equivalents | | |
|---|---|---|
| 1/16 oz | = | 1.77 grams |
| 1/8 oz | = | 3.55 grams |
| 1/4 oz | = | 7.1 grams |
| 1/2 oz | = | 14.2 grams |
| 1 oz | = | 28.4 grams |
| 4 oz | = | 113.5 grams |
| 1 lb | = | 453.6 grams |
| 2.2 lb | = | 1000 grams |

**1666SP Spaghetti** (88 days) *C. p.* Penny Kupinski of Harrisburg, MO, takes us to task for damning spaghetti squash with faint praise. "From your description you may not have had *truly ripe* spaghetti squash which is a *deep* gold. Pale yellow is nowhere near ripe and tasteless and tough. Takes a long time to mature even here…but has a wonderful nutty flavor when ripe and needs only a little salt and pepper to be excellent…the idea of pouring spaghetti sauce over it is too weird—may as well dip strawberries in sauce!! It is also a great keeper." Oblong fruits, generally around 4 lb. with spaghetti-like strings in the flesh. First commercialized by Sakata in Japan in 1934 and brought to the States by Burpee two years later. ② **A**=1/4oz, 80¢ (~46 seeds), **B**=1/2oz, $1.60, **C**=1oz, $3.00, **D**=4oz, $6.50, **E**=1lb, $16.00, **K**=5lb, $75.00

**1672TT Turk's Turban** (100 days) *C. max.* Though a *maxima*, it is often associated with the gourds because its principal function is decorative, not culinary. Regina Schrambling of the *Times* says "they look as if the Mad Hatter had mated with the Great Pumpkin." Flattened drum-like 3-5 lb. 7x7" squashes have an acorn-like protuberance on the blossom end which takes on spectacular tricolored stripes when mature. Below the "button" rind is deep orange-scarlet red. Light yellow flesh probably not of table quality, though some use it in soups. First historical reference is from France (1818), introduced to the States as American Turban in 1869. ② **A**=1/4oz, 90¢ (~27 seeds), **B**=1/2oz, $1.70, **C**=1oz, $3.20, **D**=4oz, $9.00, **E**=1lb, $26.00, *not available in size K, order size E.*

**Service for group orders:**
No long hours collating your group order! Submit your individual orders in one envelope with one payment. We will pull and package each separately, and send them all to one address. There is no charge for this service and you will still receive the volume discount based on the total of all your seed orders.

## Hybrid WINTER SQUASH

**1677EE Burpee's Early Acorn Hybrid** (84 days) *C. p.* Sweeter and drier than most other acorns, Burpee's top-quality fruits weigh up to 4 lb, yet ripen a week ahead of Table Queen. Saves some space with its large bush habit. *This is the final year we will carry this Seminis variety.* ⑥ **A**=1/8oz, $1.60 (~40 seeds), **B**=1/4oz, $3.10, **C**=1/2oz, $6.00, *not available in larger sizes.*

**1680SM Sweet Mama Buttercup** (88 days) *C. max.* If you like buttercup squash you should try Sweet Mama, a grey-green drum-shaped buttercup type with rounded shoulders and without the cup. A week earlier than Burgess with outstanding sweet flavor. My favorite large winter squash, Mama will interest commercial growers as well as home gardeners. 1979 All-America winner. ⑤ **A**=1/8oz, $2.20 (~22 seeds), **B**=1/4oz, $3.80, **C**=1/2oz, $7.40, **D**=1oz, $14.00, **E**=4oz, $50.00, *not available size K, order size E.*

### Saving squash seed is challenging.

The genus *Cucurbita* has six different species, of which three are in our catalog. Different varieties within the same species will cross readily, but crossing does not occur between the different species. Seeds from a crop that has been exposed to other cucurbits of the same species won't grow true to type. If you are saving seed, you need to isolate your crop from other cucurbits of the same species by at least 1500', or protect it from insects who would bring unwanted pollen, and hand-pollinate it yourself.

Briefly,

*Cucurbita pepo* have hard 5-sided ribbed stems, and fruits are usually ribbed. They include summer squashes, small gourds, "true" pumpkins and squashes like acorn and delicata. One of the oldest domesticated species; traces have been found in Mexican caves dating before 5,000 BC.

*C. maxima* have fat round stems that turn corky and woody when the squash is ripe. Fruits tend to be medium to large and often have bumpy surfaces and button-ends. Includes hubbards, buttercups, many heirloom Japanese and French types, and giant "pumpkins."

*C. moschata* are usually smooth and tan and include butternut and cheese.

*C. argyrosperma*, *C. ficifolia* and *C. foetidissima* are not offered here and seldom grown in our climate.

**1683CV Carnival** (85 days) *C. p.* Schrambling calls Carnival "Sweet Dumpling's more dramatic first cousin." Carnival will give your senses a thrilling ride: first treating your eyes to a kaleidoscope of colors, each fruit flecked with shades of green, gold and yellow, no two exactly alike. Then wafting your nostrils with its nutty squash aroma as it bakes, finally thrilling your taste buds with its full-bodied sweetness. This semi-bush acorn type produces its medium-sized fruits near the crowns for easy picking. It should be a marvelous seller at farmers markets. Will store for many months. *Note: color variation is a function of temperature. In high temperatures Carnival will have less yellow and gold and more green.* ⑤ **A**=1/8oz, $1.60 (~35 seeds), **B**=1/4oz, $3.10, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $40.00, **K**=1lb, $150.00

**1687ND Nutty Delica** (95 days) *C. max.* Mainers traditionally love the dry-fleshed squashes and this one may be the best of all the Japanese Kabochas after storage. Complex flavor of its deep golden flesh improves with age, really coming into its own after January. An excellent storer; keeps until late spring. Incredibly sweet, slightly nutty flavor. Vines produce abundant 2-3 lb. flattened round dark fruits stippled with bright green. Grows well in cool conditions. ⑤ **A**=1/8oz, $2.20 (~20 seeds), **B**=1/4oz, $3.80, **C**=1/2oz, $7.40, **D**=1oz, $14.00, **E**=4oz, $50.00, *not available in size K, order size E.*

**1696SS Sunshine** (95 days) *C. max.* F-1 hybrid. In the last dozen years, the folks at Johnny's have won a remarkable six All-America awards. Sunshine is Rob Johnston's best, combining the spectacular scarlet color of a Red Kuri with a sublime eating quality heretofore lacking in red squash. Our warehouse tasters liked it a lot. The bright orange flesh is dry yet tender, meaty yet sweet, with real substance. Short-vined plants give a fair yield of 5 lb. fruits shaped like a buttercup, but with rounded shoulders and no turban. It can be steamed, baked or used for pies and the color stays bright in the cooking. Sunshine was developed from a cross between two different orange varieties developed at Johnny's, according to Johnston. Counting the three years required to develop a sufficient seed supply, it was a product of almost twenty years' labor. Well worth the effort, in our opinion. ③ **A**=1/8oz, $2.10 (~22 seeds), **B**=1/4oz, $3.60, **C**=1/2oz, $7.00, **D**=1oz, $13.00, **E**=4oz, $42.00, **K**=1lb, $160.00

**Sunspot** (93 days) *C. max.* This variety couldn't find a place in the Sunshine and we have dropped it. Sales bombed its first year and then the held-over seed failed germination. *Not available in 2007.*

# Open-pollinated PUMPKINS

Plant 4-5 seeds/hill. Allow 6 ft. between hills. **⅛ oz packet sows 3-8 hills**, 100-280 seeds/oz.

Botanically, there are no such things as pumpkins. But we know one when we see one. "Pumpkins" listed here are three species, *Cucurbita pepo* (mini pumpkins, small pie and some Jack O' Lanterns), *C. moschata* (cheeses) and *C. maxima* (Jack O'Lanterns and decorative). Native to N. America, their seeds have been found in Mexico in burial grounds going back 5-7,000 years.

Each year the Cumberland Fair and Maine Pumpkin Growers Organization sponsors a Giant Pumpkin and Squash Contest. In Sept. 2005 two of the entries topped a half ton for the first time, one setting a new state record of 1,114 lb.

**1702WL Wee-B-Little** (90 days) *C. p.* This triumph of miniaturization impressed the 1999 AAS judges and will please home and market gardeners and kids everywhere. Unribbed fruits are easier to decorate than Jack Be Little. Small vines (only 6-8') produce 3-4 mini 8-12 oz. fruits per plant. Fruits, more upright than Jack Be Little with darker orange rind, look just like tiny pie pumpkins and could serve as such. Sturdy dark green stems provide prickle-free handles. PVP. ③ **A**=1/8oz, $1.60 (~20 seeds), **B**=1/4oz, $3.00, **C**=1/2oz, $5.20, **D**=1oz, $9.50, **E**=4oz, $28.00, **K**=1lb, $110.00

**1705JL Jack Be Little** (95 days) *C. p.* Tiny ornamental pumpkins weigh only about half a pound. They're great for decorations and a big hit with kids. Also good to eat, said to be excellent stuffed. Flattened, heavily ribbed with vigorous stems. Short vines, about 3-5'. Introduced by Hollar in 1987. ② **A**=1/8oz, $1.00 (~59 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $18.00, **K**=1lb, $62.00

**1711BP Baby Pam** (99 days) *C. p.* Agway pie pumpkin has deep orange color and excellent uniformity. Best of all, it vine-ripens 80-90% of its fruits even in a bad squash year so it's popular among Maine commercial growers. Fruits average 3-4 lb, slightly smaller and earlier ripening than New England Pie with the same excellent quality. Vermont market grower Joey Klein likes the way it packs out. ② **A**=1/4oz, 90¢ (~68 seeds), **B**=1/2oz, $1.70, **C**=1oz, $3.20, **D**=4oz, $7.20, **E**=1lb, $22.00, **K**=5lb, $100.00

**1713LU Lumina** (100 days) *C. max.* Originating as a chance sport in one of Hollar's California pumpkin fields about twelve years ago, Lumina is a lustrous ivory pumpkin that kids will love, excellent for both carving and painting. Lumina stores well if not exposed to frost, so a face painted on its smooth surface will last for weeks instead of days. Under stress, the fruit may develop blue patches. Fruits 8-10" high average 12 lb, variable depending on growing conditions. Cooks like its sweet yellow flesh. Good for puréeing or making roasted white pumpkin soup. Whether you eat it, decorate it, or both, Lumina is sure to please. PVP. ② **A**=1/8oz, $1.10 (~13 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.60, **D**=1oz, $6.50, **E**=4oz, $18.00, **K**=1lb, $65.00

**1716JD Jarrahdale** (100 days) *C. max.* Add a touch of the unusual to your squash patch with this grey-blue Australian emigré. Features 6-10 lb. heavily ribbed fruits flattened on top like pumpkins, but much sweeter. "With an almost solid center, Jarrahdale is an excellent eating pumpkin. We found them *mild*, stringless, quick to bake, easy to blend into a great pie," reports Ann Elder. Excellent keeper. ②③ **A**=1/8oz, $1.00 (~40 seeds), **B**=1/4oz, $1.70, **C**=1/2oz, $3.20, **D**=1oz, $5.50, **E**=4oz, $12.00, **K**=1lb, $40.00

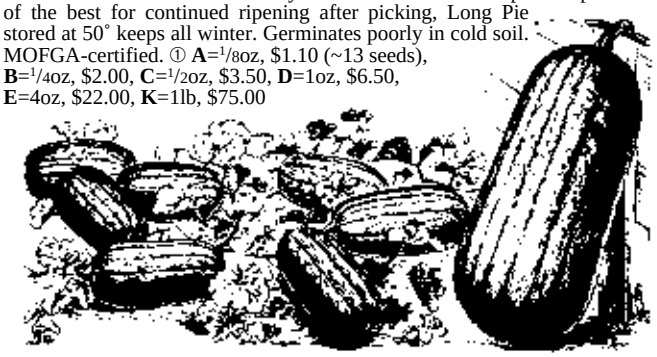
**1718XO Winter Luxury Pie OG** (100 days) *C. p.* "My favorite orange pumpkin…so beautiful…that it breaks my heart to cut one open," emotes Amy Goldman. The beauty comes from the uniquely russeted finely netted golden orange skin but is far more than skin deep, with Goldman claiming this heirloom pumpkin has "flavor as fabulous as her appearance." Luxury was introduced in 1893 by Johnson & Stokes as Winter Luxury and in 1894 as Livingston's Pie Squash by the same A.W. Livingston's Sons who were more famous for their new tomatoes. Though the original Luxury was more of a lemon yellow, we offer the rich orange strain first sold by Gill Bros. of Portland, OR, in 1917. Maintained for many years by the J.W. Jung Seed Co of Randolph, WI, but absent from their recent catalogs. Vigorous vines bear globular 7-8 lb. fruits with juicy tender slightly sweet pale orange flesh. They are somewhat delicate and only fair keepers but will grace your Thanksgiving table with unrivaled beauty. Goldman advises baking the pumpkin whole, pierced with a few tiny vent holes, until it slumps after about an hour at 350˚, scooping the pumpkin flesh out like ice cream and then putting it in the blender to make "the smoothest and most velvety pumpkin pie." BSO-certified. ① **A**=1/8oz, $1.40, **B**=1/4oz, $2.40, **C**=1/2oz, $4.40, **D**=1oz, $8.00, **E**=4oz, $22.00, **K**=1lb, $75.00

**New England Pie** (102 days) *C. p.* "New England Pie Pumpkin always sells out," says market grower David Craxton. Also known as Small Sugar pumpkin. Probably selected out of Connecticut Field pumpkin by early white settlers, the standard pie pumpkin for generations. A robust yielder in good seasons. In 2001 our two hills produced more than 100 pounds, the 25 pumpkins, all vine-ripe, averaged 4.26 lb. During cold summers production is lower and only half will vine-ripen. However, ripening continues during curing.

**1719NE New England Pie** ② **A**=1/4oz, 80¢ (~70 seeds), **B**=1/2oz, $1.50, **C**=1oz, $2.50, **D**=4oz, $5.00, **E**=1lb, $12.00, **K**=5lb, $55.00

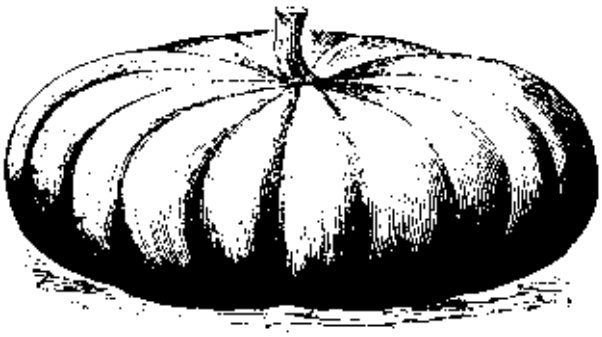
**1720NO New England Pie OG** CCOF-certified. ③ **A**=1/4oz, $1.10 (~70 seeds), **B**=1/2oz, $2.00, **C**=1oz, $3.40, **D**=4oz, $7.50, **E**=1lb, $25.00, *not available in size K, order size E.*

**1723LO Long Pie OG** (102 days) *C. p.* Also known as Nantucket Pie Pumpkin, Negro and by several other names. Long Pie is said to have migrated in 1832 from the Isle of St. George in the Azores to Nantucket on a whaling ship whence it was picked up by various seedsmen and came north to Maine. Burpee offered it in 1888 as St. George. It was and remains highly esteemed as the best pumpkin for Yankee pumpkin pies. Widely grown in Androscoggin County sixty years ago, it was nearly forgotten and narrowly saved from extinction. LeRoy Souther, a Livermore Falls, ME, native who had been maintaining it for more than 30 years, sometime in the late 1980s brought seeds to cucurbit aficionado John Navazio at his Common Ground Fair squash booth. Navazio took them with him to Garden City Seeds in Montana where he re-introduced them to commerce. 3-5 lb. fruits look like overgrown zucchinis to the uninitiated, but the telltale sign is an orange spot where the otherwise all-green elongated fruit rested on the ground. In storage, the whole fruit first blushes, then glows bright orange, signaling that the delicious flesh within is ready to be turned into incomparable pies. One of the best for continued ripening after picking, Long Pie stored at 50˚ keeps all winter. Germinates poorly in cold soil. MOFGA-certified. ① **A**=1/8oz, $1.10 (~13 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $6.50, **E**=4oz, $22.00, **K**=1lb, $75.00



**1727RV Rouge Vif d'Étampes** (105 days) *C. max.* Also known as Cinderella. This spectacular French heirloom turns the pumpkin patch into a glowing blaze with its deeply ridged burnt-orange to red fruits loved by kids and anyone attracted to bright colors. Pumpkins are flat, quite variable in size, ranging from about 7 lb. to upwards of 30 lb. and make great decorative Jack O'Lanterns. Bryan Greenspan has won first prize two years in a row at the Cummington, MA, Fair with a Rouge. The coarse fibrous deep yellow flesh is not as flavorful as that of the smaller pie pumpkins. Amy Goldman asserts, "This one coasts on its looks alone, being insipid and watery. It's enchanting but I wouldn't cook with it." Originated in France in the early 1800s, named for a town south of Paris. Introduced to the U.S. by Burpee in 1883.② **A**=1/8oz, $1.00 (~13 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $16.00, **K**=1lb, $55.00

**1728YB Young's Beauty ECO** (105 days) *C. p.* Unimpressed by Autumn Gold's "precocious yellow" gene? Don't care for its tendency to produce irregularly shaped fruit? Prefer a classic mid-sized open-pollinated pumpkin that usually ripens perfect brilliant deep orange globes? Try Young's Beauty. Expect good production of uniform hard-skinned thick-fleshed 10-12 pounders which make good pies. Although Hollar discontinued seed production, we're keeping this beautiful pumpkin in commerce. *Caution: May not ripen in northernmost areas.* ① **A**=1/4oz, $1.30 (~50 seeds), **B**=1/2oz, $2.20, **C**=1oz, $4.20, **D**=4oz, $15.00, **E**=1lb, $58.00



**1740CH Cheese ECO** (110 days) *C. mos.* These 6-12 lb. wide-ribbed flattened tan fruits look like big wheels of cheese. Goldman calls them "an antidote to the plague of sameness in the American pumpkin patch." Identified by Hedrick in *Cucurbits of New York* (1937) as "one of the oldest varieties cultivated in America," a distinctive group which has "remained remarkably stable." Introduced to commerce in 1807 by McMahon. Some folks call this variety Long Island Cheese because it was once the preferred pumpkin for pies in New York, New Jersey and on the island. Bright orange meat is coarse and quite fibrous, but its tender sweetness redeems its textural deficiencies and it does not deserve Hedrick's terse dismissal: "quality poor." Good for baking, deep cavity lends itself to stuffing. Despite its reputation for being intolerant of cold, we have found it to be a dependable producer even in our cold climate and unmatched as a good keeper. Paul Hauser's family in PA has maintained this variety for many years. ①③ **A**=1/8oz, $1.00 (~32 seeds), **B**=1/4oz, $1.70, **C**=1/2oz, $3.20, **D**=1oz, $6.00

**1743GO Lady Godiva OG** (110 days) *C. p.* Lady Godiva was a real person. According to the legend she was a crusader for the arts in Coventry, England, campaigning against the high rate of taxation promulgated by her husband Leofric, who had a proclivity for taxing everything, even manure, to provide funds for public works. (No doubt Leofric would be a Democrat were he alive today!) Leofric offered to eliminate all the taxes if an unclothed Lady Godiva would willingly ride her horse through the crowded marketplace of Coventry at mid-day as an expression of the perfection of God's work. In 1057 she did so and he was as good as his word. It took plant breeders a little more than 900 years to catch up to Lady Godiva, but these unhulled, therefore naked, pumpkin seeds are just as much an expression of the perfection of God's work even though they lack Lady Godiva's equestrian skills. Oblong green-streaked 8-12 lb. pumpkins are loaded with plump seeds which pack a real nutritional wallop with 50% oil content and 20% protein. Flesh is not of table quality. A poor germinator in cold soil, so wait till the weather warms before sowing. **BACK!** BSO-certified. ① **A**=1/8oz, $1.30, **B**=1/4oz, $2.40, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $25.00

**1748CF Connecticut Field** (115 days) *C. p.* Also known as Big Tom. Grown for Jack O'Lanterns and stock feed, gets 15-25 lb, sometimes more. Not uniform in size or shape. Heirloom grown by Native Americans, adopted by colonists before 1700, and a staple of nineteenth century catalogs. Hirschy sold for 4¢ per packet in 1890. *Ripens for us in good years, but often we must pick green.* ② **A**=1/4oz, 80¢ (~42 seeds), **B**=1/2oz, $1.50, **C**=1oz, $2.50, **D**=4oz, $5.00, **E**=1lb, $12.00, **K**=5lb, $55.00

**1751HW Howden** (115 days) *C. p.* For years Howden's symmetrical fruits with hard ridged skin and thick flesh have set the standard for large round Jack O'Lanterns. Far less likely to set lopsided fruit than Connecticut Field. Large, spreading vines produce 4-6 fruits per plant, typically weighing 20-35 lb, yet often able to ripen fully in our climate. Tolerant to BR. Rated the most popular pumpkin in an informal survey of growers attending the January 2004 Annual Meeting of the Maine Vegetable & Small Fruit Growers Assn. Developed by John Howden in Massachusetts and introduced by Harris Moran in 1973. ② **A**=1/8oz, 90¢ (~26 seeds), **B**=1/4oz, $1.60, **C**=1/2oz, $2.50, **D**=1oz, $4.00, **E**=4oz, $8.00, **K**=1lb, $20.00

**1757BM Big Max** (120 days) *C. max.* These are big pumpkins. Not big enough to compete in the giant pumpkin contests (you'd need Dill's Atlantic Giant, not offered by us) but certainly sufficient for exhibiting in your county fair or for displaying as an awesome Jack O'Lantern. Or perhaps, in the wrong hands, could serve as weapons of mass destruction. Typically weighs 50-100 lb. and measures up to 70" in circumference! ② **A**=1/4oz, 90¢ (~24 seeds), **B**=1/2oz, $1.60, **C**=1oz, $3.00, **D**=4oz, $5.50, **E**=1lb, $19.00, **K**=5lb, $90.00

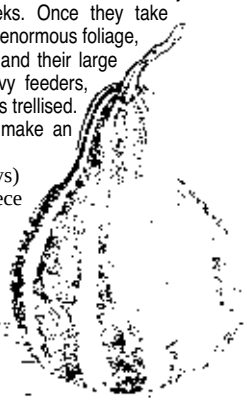
## Hybrid PUMPKINS

**Snack Jack** (95 days) *C. p.* No more snacks, Jack. We have dropped this Seminis/Monsanto variety. *Not available in 2007.*

**1836AG Autumn Gold** (98 days) *C. p.* Even northernmost growers can vine-ripen medium-sized pumpkins with 1987 AAS Autumn Gold. Commercial growers love its "precocious yellow" gene which ensures no green pumpkins at harvest. Instead, immature fruits are yellow, ripening to a deep orange, ribbed, with good handles, 10-15 lb. average. ③ **A**=1/8oz, $1.20 (~35 seeds), **B**=1/4oz, $2.20, **C**=1/2oz, $3.80, **D**=1oz, $7.00, **E**=4oz, $20.00, **K**=1lb, $75.00

# Open-pollinated GAMBOLING GOURDS

Gourds come in two major categories (Luffa is a third). The small ones are *Cucurbita pepo* var. *ovifera* also known as ornamental gourds for their variety of shapes, colors and surfaces. These vigorous viners will usually mature in our climate if direct-seeded. The larger ones are *Lagenaria siceraria* or hardshell gourds, named from the Greek *lagenos,* a flask, and *sicera*, an intoxicating drink. *Lagenaria*, though lacking the color range of their smaller cousins, fascinate with their magical shapes. Because of their long season they must be started indoors in our climate. To improve germination, sandpaper or clip off the radicle end and soak the seed. They resent transplanting and will grow slowly for a few weeks. Once they take off—wow! These rampant crawlers are noted for their enormous foliage, more velvety in texture than that of other cucurbits, and their large white almost luminous night-blooming flowers. Heavy feeders, they will take up huge amounts of garden space unless trellised. If you cut off the spent female flowers daily, they make an excellent, albeit malodorous, flowering vine.

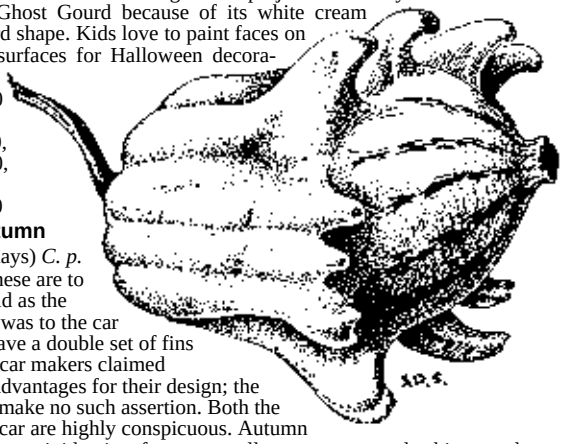


**1908TD Tennessee Dancing Gourd** (93 days) *C. p.* var. *ovifera* This delightful conversation piece will put a good spin on your gourd program. Anyone who sees these tiny 2-3" adorable green and white-striped bottle gourds falls in love with them. They generated quite a buzz at our Common Ground Fair booth when we exhibited them. We thank Jeremiah Gettle of Baker Creek Seeds for introducing them to commerce. He got them from Junior Gordon of Primm Springs, TN. Kids in Tennessee used to bring them to school as toys. They spin just like a top. Rampant vines are extremely prolific producers of the small fruits. Hard shells dry to tan color. **BACK!** ② **A**=1/8oz, $1.40, **B**=1/4oz, $2.50, **C**=1/2oz, $4.00, **D**=1oz, $7.00, **E**=4oz, $25.00

**1912SM Small Ornamental Mix** (95 days) *C. p.* var. *ovifera* 8 kinds of early maturing types, with small spoon, bicolored pear, and small orange most prevalent. ② **A**=1/8oz, $1.00 (~72 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $20.00

**1939PW Professional Small Warted Mix** (95 days) Smaller and more colorful than the warted mix it replaces. A balanced assortment of flats, rounds, short pears, pears and spoons in a variety of solid, striped and bicolor patterns. More yellows, greens and oranges and fewer whites than the old mix, for a brighter display. We love them, warts and all. **NEW!** **A**=1/8oz, $1.20 (~57 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.60, **D**=1oz, $6.50, **E**=4oz, $20.00

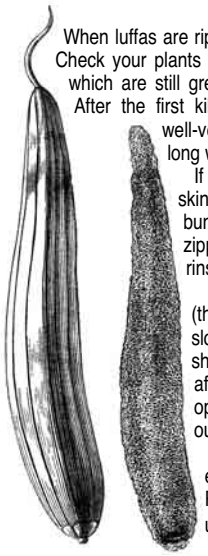
**1952CT Shenot Crown of Thorns** (95 days) *C. p.* var. *ovifera* These small gourds have pointed ribs that look like teeth. Sometimes called Ten Commandments because the finger-like projections always number ten. Often called Ghost Gourd because of its white cream color and weird shape. Kids love to paint faces on their smooth surfaces for Halloween decorations. ② **A**=1/8oz, $1.10 (~71 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.60, **D**=1oz, $6.20, **E**=4oz, $16.00



**1957AW Autumn Wings** (100 days) *C. p.* var. *ovifera* These are to the gourd world as the 1957 Cadillac was to the car world. They have a double set of fins or wings. The car makers claimed aerodynamic advantages for their design; the gourd makers make no such assertion. Both the gourd and the car are highly conspicuous. Autumn Wing's colors, a vivid mix of greens, yellows, creams and whites, make them even more so, but would never have appeared on those antique cars. Some of these gourds are straight necked and others are curved. They vary in size, too, although most are 6-8" in length. We stop short of claiming them to be the Cadillac of gourds, but we bet they'll make a good roadside stand attraction. ② **A**=1/8oz, $2.10, **B**=1/4oz, $4.00, **C**=1/2oz, $6.50, **D**=1oz, $11.00, **E**=4oz, $40.00

**1962LU Luffa** (110 days) *Luffa ægyptiaca* May be more closely related to the cucumber than to the hardshell Lagenaria. Also known as the Dishrag Gourd, dried and used for making bath sponges. Some folks pick them young, steam them and panfry them. In addition to being a scrubber and a comestible, this versatile gourd has been used to make soundproof wall boarding, to insulate army helmets, to stuff mattresses and saddles and even to make filters for steam engines and diesel motors! *Caution: Luffa requires a long season. Start indoors and culture like melons.* We recommend trellising if you want your luffas to remain straight. ② **A**=1/8oz, 90¢ (~36 seeds), **B**=1/4oz, $1.60, **C**=1/2oz, $3.00, **D**=1oz, $5.20, **E**=4oz, $15.00

### How to Produce a Luffa Sponge



When luffas are ripe their skins turn brown and dry and stems turn yellow. Check your plants frequently and harvest only ripe gourds. Full-sized fruit which are still green produce soft, fine-textured sponges that don't last. After the first killing frost remove any nearly ripe gourds to a warm well-ventilated place to allow them to dry. Gourds left wet for long will readily discolor.

If the luffa has just ripened, gently squeeze and pop its skin. Break the blossom end cap and pull the vascular bundle (that's the sponge!) up the side of the gourd like a zipper. The sponge will pop out, wet and white. Quickly rinse it in water to prevent oxidation.

If gourds are too dry to pop the sponge out, ret them (thoroughly soak in water) for several days until the skin sloughs off leaving only the spongy fiber. After retting, shape and dry the sponge. Remove seeds either before or after retting. We found it easy to do before retting: cut open the larger end of the gourd and either shake or rinse out the seeds.

If you wish to whiten the sponges, bleach by soaking either in a 10% bleach solution or in hydrogen peroxide. Rinse luffas thoroughly in clean water and dry before use.

**1963SG Speckled Apple** (110 days) *Lagenaria siceraria* A prime specimen on exhibit at the 1999 Common Ground Fair won our hearts. Shaped just like a Red Delicious apple blown up to three times normal size, these gourds sit up on four points with dimples in between. Mostly green with some white splotches. ② **A**=1/8oz, $1.60, **B**=1/4oz, $3.00, **C**=1/2oz, $5.20, **D**=1oz, $9.50, **E**= 4oz, $26.00

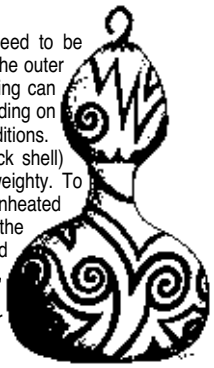
**1966LB Large Bottle** (120 days) *L. s.* Beware, these vines are rampant crawlers. According to Massachusetts market grower Eva Sommaripa, this variety makes a better birdhouse than the birdhouse gourd. Eva suggests cutting a hole about the size of a quarter with a paring knife. Take out at least some of the innards. Wrap a wire for hanging around the indented waist, fasten a loop of non-rusting wire or nylon cord around a branch, and the wrens (or other species if you're too far north for wrens) will come. Don't hang gourds too close together, as these birds are territorial. Wrens usually nest twice a season, once in May and once in July, so you have two chances. If you take the gourd inside for the winter, it will probably last a second season. ② **A**=1/8oz, $1.00 (~48 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $18.00

**1968SP Speckled Swan** (120 days) *L. s.* Common Ground fairgoers gawked at these show-stealers in Jack Kertesz' demonstration garden and at our booth. They admired Swan's beautiful dark-green surface with very pale green 1" splotches which bleed like strokes from a paintbrush. Large round 8-10" base tapers into graceful long neck, sometimes straight, sometimes arched, capped by a small bulb near the stem which looks like a swan's head. ② **A**=1/8oz, $1.30 (~20 seeds), **B**=1/4oz, $2.50, **C**=1/2oz, $4.50, **D**=1oz, $7.50, **E**=4oz, $19.00

**Baby Bottle** (125 days) *L. s.* Dropped for slow sales. *Not available in 2007.*

**1974CC Corsican Canteen** (125 days) *L. s.* Sets 3-6 fruits per plant, shaped like an old-fashioned canteen with height of 3 1/2" and a 7" diameter, some larger. Will make lovely lidded bowls. Originally from Native Americans in New Mexico. ② **A**=1/8oz, $1.10 (~17 seeds), **B**=1/4oz, $2.00, **C**=1/2oz, $3.60, **D**=1oz, $6.50, **E**=4oz, $19.00

### Curing Lagenaria Gourds is Easy.



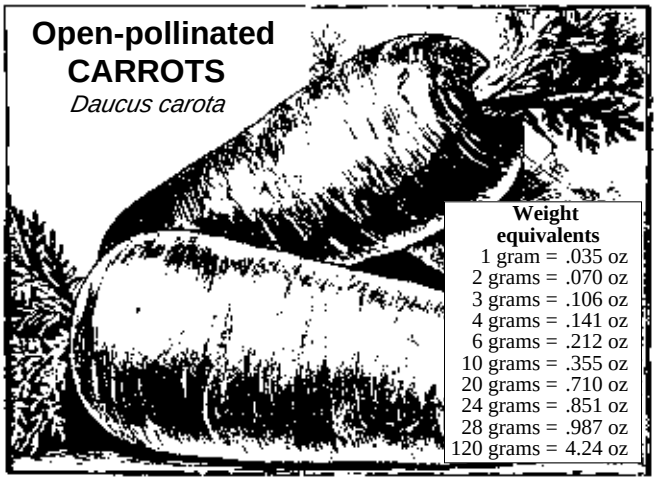
Hardshell gourds are 90% water at harvest. They need to be cured or dried, a slow process of evaporation through the outer shell, which is covered by a thin ivory-green skin. Curing can take 6 weeks to 1 year (average time 4 months) depending on gourd size, thickness of shell, weather and storage conditions.

Immature gourds (which have not developed a thick shell) will rot after harvest. Mature gourds are large and weighty. To cure, store off the ground in a well-ventilated room or unheated outbuilding. For a smooth beige surface, scrape off the outer skin after it loosens and darkens. (Freezing and thawing loosens the outer skin.) Outer skin, if left on, may become moldy; mold-patterned skin will dry to the gourd shell and can be sanded off, painted over or incorporated into the decoration.

**1978SI Siphon** (125 days) *L. s.* With their small 5" bulged bottoms and long elegantly curved necks, these look like swans. The neck curls naturally if not grown on a trellis and can grow to an astounding 5' long. Grow around a broom handle to mold neck into a spiral. ② **A**=1/8oz, $1.00 (~25 seeds), **B**=1/4oz, $1.80, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $15.00

**Maranka** (130 days) *L. s.* Dropped for slow sales. *Not available in 2007.*

**1990BS Bushel** (135 days) *L. s.* Shaped like a large bowl with a pot lid on it. Can grow enormous given sufficient heat, but in Maine will probably max out at 18" across. *Caution: requires a long season to mature.* To improve your chances limit each vine to one fruit. Prune to halt vine growth after it sets its first fruit. ② **A**=1/8oz, $1.50 (~15 seeds), **B**=1/4oz, $2.50, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $30.00


Open-pollinated
CARROTS
Daucus carota
Weight equivalents
1 gram = .035 oz
2 grams = .070 oz
3 grams = .106 oz
4 grams = .141 oz
6 grams = .212 oz
10 grams = .355 oz
20 grams = .710 oz
24 grams = .851 oz
28 grams = .987 oz
120 grams = 4.24 oz

**⅛ oz packet sows 35 ft; 1 oz 280 ft.** Carrots average 18,000 seeds/oz with significant variations among varieties. Very hardy. Early carrots can be sown by late April. Can take up to 3 weeks to germinate; keep rows from drying out for faster emergence. Sow carrots for winter storage in mid-late June. Thinning is critical: At 3" high thin to ½" apart, at 6" thin again to 1" apart.

**2018TP Tonda di Parigi** (55 days) We were delighted to be able to replace the Seminis/Monsanto variety Thumbelina with a round Parisian-type carrot which we like even better. At 1½" Tonda is ever so slightly longer than Thumbelina with deep orange color and improved taste. Tondas are best harvested when they are young and tender and very sweet. Enjoy them cooked to maximize their sweetness and to elicit their superb creamy texture. The easiest carrot to grow if you have heavy clay soil. 19th-century heirloom from Paris. ② **A**=⅛oz, $1.20, **B**=½oz, $4.00, **C**=1oz, $7.00, **D**=4oz, $22.00, **E**=1lb, $80.00

**2022MC Minicor** (55 days) A good choice for your first baby carrots of summer. Extremely slender 6-7" roots with very small cores, exceptionally sweet flavor. Amsterdam/baby Nantes-type *This is our final year to offer this Seminis variety.* ⑥ **A**=⅛oz, $1.20 (~4100 seeds), **B**=½oz, $4.00, *not available in larger sizes.*

**2024AM Amsterdam #2** (55 days) Suggested by New Hampshire market grower Eero Ruuttila to replace Minicor. Amsterdam's slender tapered 6-7" roots are longer, less stubby and develop better color at a younger stage than Minicor's. Ideal for succession plantings of baby carrots throughout the summer, provided they are given adequate moisture. Not particularly sweet but with a carroty sharpness that leaves a pleasant pepperminty taste sensation. Crisp and tender with a small core. **NEW!** ② **A**=⅛oz, $1.20, **B**=½oz, $4.00, **C**=1oz, $7.00, **D**=4oz, $20.00, **E**=1lb, $60.00

**2042SN Scarlet Nantes** (68 days) This old-time favorite Nantes variety with bright orange roots averaging 6-7" proves that good quality is not always expensive. Sweet with a small dark core. Received a high over-all score in the 2005 OSU trials. ② **A**=⅛oz, 80¢, **B**=½oz, $2.50, **C**=1oz, $4.00, **D**=4oz, $7.00, **E**=1lb, $15.00, **K**=5lb, $60.00

**2050NF Nantes Fancy** (68 days) A classy Nantes. Roots 7" long with unusually good color, flavor. Very uniform. Excellent keeper. Always our most popular carrot, Nantes Fancy was the fifth best-selling item on our entire list last year, topping 2,700 packets. We sold enough seed last year to grow 15 million carrots. ⑤ **A**=⅛oz, $1.10, **B**=½oz, $3.80, **C**=1oz, $6.50, **D**=4oz, $18.00, **E**=1lb, $44.00, **K**=5lb, $200.00

**2058RC Red Cored Chantenay** (70 days) According to William Woys Weaver, this venerable heirloom originated in France around 1879 and "needs no improvement." Produces 5-7" thick red-orange roots which we found in our September taste tests to have excellent carroty flavor. Does well in heavy soils like ours. ② **A**=⅛oz, 80¢, **B**=½oz, $2.50, **C**=1oz, $4.00, **D**=4oz, $7.00, **E**=1lb, $14.00, **K**=5lb, $50.00

**2063YS Yellowstone** (72 days) Diverse colors in carrots are coming back into fashion. Yellowstone's crisp clean flavor, which has shown up well in our recent taste tests, will accelerate the trend. Research shows that yellow carrots contain xanthophylls, pigments similar to beta carotene, which help develop healthy eyes and may help prevent lung and other cancers. Big-shouldered roots with large green cores grow up to 8" long, averaging 7". Productive in a wide variety of soils. ④ **A**=1g, $1.10, **B**=3g, $2.80, **C**=6g, $5.00, **D**=24g, $12.00, **E**=120g, $55.00

**2068RO Atomic Red OG** (74 days) A top seller three years in a row, Atomic Red is really red with a hint of purple on the outside of the 4-6" cylindrical roots. Slice it open to rings of color, the red rind giving way to a deep orange interior with a lighter core. Even the stems and tops show red. Roots taste mild and sweet when raw, like a parsnip. Keeps its color when cooked and develops a yummy carroty sweetness with no harshness. But taste is pure bonus. Color packs the wallop here, color that will make your sales explode. CCOF-certified. ③ **A**=1g, $1.80, **B**=3g, $5.00, **C**=6g, $8.00, **D**=24g, $20.00, **E**=120g, $90.00

**2073SK Shin Kuroda 5"** (75 days) Over the years we've enjoyed several strains of the stump-rooted Japanese Kuroda-type carrots which are so popular in Asian markets. *Shin* means "new" in Japanese. Tender sweet Shin Kuroda scored high in our October taste test, and also impressed us with its bright orange color. These Kurodas, a refinement of the old Chantenay type, do well in a wide range of soil and weather conditions. ② **A**=⅛oz, 80¢, **B**=½oz, $2.50, **C**=1oz, $4.00, **D**=4oz, $8.00, **E**=1lb, $16.00, **K**=5lb, $70.00

**2076DO Danvers 126 Carrot OG** (75 days) Selected out of Eastern States' Red Core Danvers, 126 is a 1943 refinement of the Danvers Half-Long originated by market gardeners in Massachusetts in 1871. Danvers 126 is a tasty fall and storage carrot. Orange-red roots 7-7½" long, 2-2½" across taper to a blunt end. CCOF-certified. ③ **A**=⅛oz, $1.00, **B**=½oz, $3.20, **C**=1oz, $5.50, **D**=4oz, $11.00, **E**=1lb, $28.00, **K**=5lb, $120.00

**2078JD Jaune du Doubs** (78 days) We like this 19th century French heirloom the best of all the yellow carrots we've sampled. Its crisp texture and excellent sweet mild carrot flavor won accolades from our taste testers. Not shabby in the appearance department either, with smooth conical 8" roots, yellow showing slight green shoulders and good core color. One seed saver rates it as "gourmet quality." Better flavor cooked than raw. Retains good color when cooked. Good storage possibilities. **NEW!** ② **A**=⅛oz, $1.00, **B**=½oz, $3.20, **C**=1oz, $5.50, **D**=4oz, $11.00, **E**=1lb, $28.00

**2079KO Scarlet Keeper OG** (85 days) Twenty years ago, when this stalwart was everyone's favorite storage carrot, we were selling more than 1,300 packets a year. But it has been almost impossible to find in recent years. These 7-9" heavy cylindrical roots with broad red shoulders, large deep orange cores and blunt tips are without peer when they come out of the root cellar in March, even though they are not our first choice for fresh fall eating. Good for juicing, too. In a taste test at our warehouse its juice quality was comparable to that of our old favorite #**2086** Mokum. Seed was grown by the Root-to-Seed method with staffer Roberta Bailey growing a plethora of roots for her cellar and choosing only the biggest, best and truest-to-type to be shipped west for their seed production year to a plot well-isolated from Queen Anne's Lace. **BACK!** MOFGA or OT-certified. ① **A**=1g, $1.00, **B**=3g, $2.50, **C**=6g, $4.00, **D**=24g , $12.00, **E**=120g, $50.00

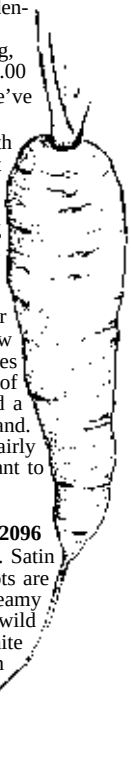
## Hybrid CARROTS

**1 gram packet sows 10 ft.**

**2086MK Mokum** (48 days) Arguably the tastiest carrot for fresh eating late spring and summer. Repeat winner of our summer taste tests. Mokum's earliness, slenderness and sweetness transcend its flaws. Blunt Amsterdam-type sizes extremely quickly with short weak tops. Should be harvested at 5-6" before the roots push out of the ground and develop green shoulders. Although not a versatile full-season carrot, Mokum merits succession planting so you can enjoy it young throughout the summer. Always the first to disappear from our spring patch. ④ **A**=1g, $1.20, **B**=3g, $3.00, **C**=6g, $5.00, **D**=24g, $18.00, **E**=120g, $80.00

**2092NL Nelson** (56 days) Twin Oaks Coop in Virginia rates Nelson the best in hot weather when it is hard to get tasty carrots. Sweet carroty Nantes stays tender and crisp under a variety of growing conditions. Smooth and uniform, 6-7" cylindrical blunt roots with deep orange color have won the widespread endorsement of commercial growers and home gardeners. Strong tops make it suitable for summer bunching. Widely grown in Europe; the seed comes from Bejo in Holland. ④ **A**=1g, $1.20, **B**=3g, $3.00, **C**=6g, $5.00, **D**=24g, $18.00, **E**=120g, $80.00

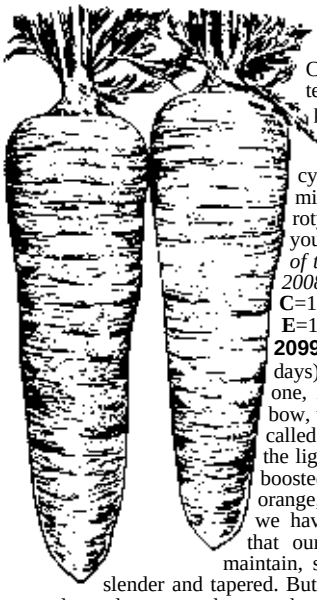
**Bolero** (68 days) Alas, we are dropping this variety because we've lost our supplier. *Not available in 2007.*



**2094SS Sugarsnax** (68 days) An Imperator carrot with flavor? We thought that was an oxymoron until we met Sugarsnax, a fresh market standout with long slender beautiful 9" deep orange roots ideal for bunching. Outstanding in trials and taste tests, it has a tender sweetness that keeps you coming back for more. Tolerant to ALTS, CLS and pythium diseases. ⑤ **A**=1g, $1.20, **B**=3g, $3.00, **C**=6g, $5.00, **D**=24g, $16.00, **E**=120g, $70.00

**2096PH Purple Haze** (70 days) We like 2006 AAS winner Purple Haze much better than Purple Dragon. Though its raw flavor is average, it has none of Dragon's harshness and improves with cooking, enhanced by a texture almost as refined as that of the best orange carrots. Purple with orange stretch marks and a vivid orange core, Haze will really draw crowds to your stand. Loses some color when cooked. The 7" tapered roots store fairly well. This first purple Imperator-type carrot may make you want to kiss the sky! ④ **A**=1g, $1.60, **B**=3g, $4.20, **C**=6g, $7.00, **D**=24g, $20.00, **E**=120g, $80.00

**2097WS White Satin** (70 days) With White Satin and #**2096** Purple Haze your carrot patch can come in colors everywhere. Satin is by far the best white carrot we've trialed. Its classic 8" roots are straight and smooth with the ideal carrot shape in a pleasing creamy white. Sweet and crunchy when eaten raw, it has none of the wild carrot taste or hairiness that we'd come to associate with white carrots. When cooked it is sweet and mild with a smooth texture. Develops 1" green shoulders when mature. Medium core. Broaden your carrot palette with White Satin. *Special: price reduced.* ④ **A**=1g, $1.60, **B**=3g, $4.20, **C**=6g, $7.50, **D**=24g, $24.00, **E**=120g, $100.00



**2098SW Sweetness II** (72 days) Sweetness II was our choice to replace Canada Gold, scoring high in our taste tests. This refined Nantes-type will please home gardeners with its sweetness and smooth bright skin color and market growers with its classic cylindrical shape and amazing uniformity. Roots are about 6½". Not very carroty, but has something that will bring you back for more. *We have enough seed of this Seminis variety to carry over into 2008.* ⑥ **A**=1/8oz, $1.40, **B**=1/2oz, $4.80, **C**=1oz, $8.50, **D**=4oz, $25.00, **E**=1lb, $95.00

**2099OR Over the Rainbow Mix** (48-75 days) If there's a better carrot mix than this one, it must be somewhere over the rainbow, way up high. We took a good formula called Rainbow Mix, especially strong in the lighter shades of yellow and orange, and boosted it with our own choice of dark orange, purple and red varieties. In doing so, we have sacrificed some of the uniformity that our European supplier was careful to maintain, so not all the roots will be perfectly slender and tapered. But oh the colors! These bunches should be a real standout at markets so that "the dreams that you dare to dream really do come true." ④ **A**=1g, $1.80, **B**=3g, $5.00, **C**=6g, $8.00, **D**=24g, $20.00, **E**=120g, $90.00

## BEETS *Beta vulgaris*

**1/8 oz packet sows 20 ft, 1 oz about 180 ft. All open-pollinated except #2121.** Hardy. Can be sown almost as soon as ground can be worked. Thin for use as greens. Lutz variety must be thinned to 4" apart, others require less rigorous thinning. In *Garden Flowers from Seed,* Graham Rice suggests that the beetroot, especially red-leaved varieties such as Bull's Blood, be used as a bedding plant. He also waxes nostalgic for beet varieties with yellow veins and those with red, yellow, green or purple unmarked foliage which he says were around until at least the '50s. Let's find them and bring them back!

**Early Wonder Tall Top** (48 days) Selected for earliness from Crosby's Egyptian and introduced in 1911. Quick emergence in cold soil and attractive purple tops make Wonder the choice for early beet greens and bunching beets. Both home gardeners (scarfed up over 1,700 size-A) and commercial growers (bought 157 1-pounders and 17 5-pounders) like Early Wonder.

**2108EW Early Wonder Tall Top** ② **A**=1/8oz, 60¢ (~270 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $6.50, **K**=5lb, $30.00

**2109WO Early Wonder Tall Top OG** CCOF-certified. ③ **A**=1/8oz, 90¢ (~270 seeds), **B**=1/2oz, $1.60, **C**=1oz, $3.00, **D**=4oz, $6.00, **E**=1lb, $16.00, **K**=5lb, $70.00

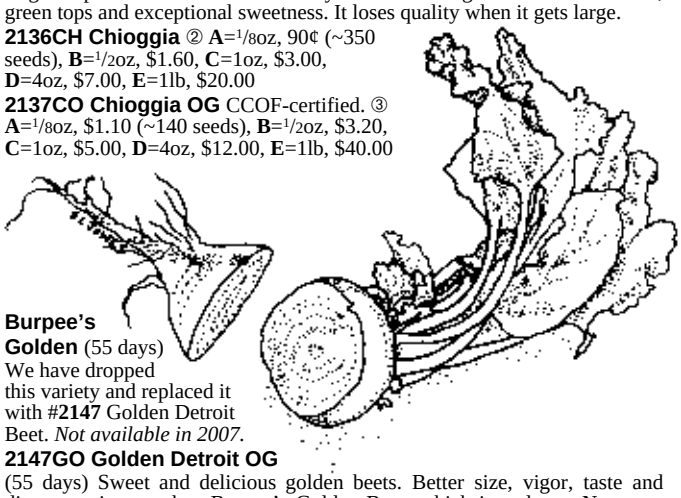
**2121RO Red Ace OG** (50 days) F-1 hybrid. Sweet early season beet with purple tops. Market growers appreciate its uniformity and perfect shape, which is very similar to Early Wonder but more refined. "OG Red Ace was gorgeous…uniform in size and shape and color and absolutely the best beet of the many I tasted this summer." Tolerant to CLS. PCO-certified. ⑤ **A**=1/8oz, $1.00, **B**=1/2oz, $3.00, **C**=1oz, $5.00, **D**=4oz, $12.00, **E**=1lb, $41.00, **K**=5lb, $200.00

**2128GO 3 Root Grex OG** (54 days) The genius of Alan Kapuler at work, this is an interbreeding mix of Yellow Intermediate heirloom, Crosby Purple Egyptian heirloom and Lutz Saladleaf heirloom. It absolutely wowed me in my 2004 trial and aroused considerable interest at our Common Ground Fair booth display in 2005. The term "grex" is commonly used in orchid breeding. There are 3 distinct colors in this gene pool: a pinkish red with some orange in it, a bright gold, and a beautiful iridescent orange. We were impressed by the unusual vigor, glowing colors and length of these gradually tapered elongated roots. The Lutz influence manifests in their size, as much as 3½" across and 7-8" long. Even without further development from Kapuler (and he's still working on this one) I will never again grow Burpee's Golden Beet if I can get Kapuler's Grex. Another mouse-selected cultivar; they didn't leave a single one untouched. *Seed in short supply; order early*. MOFGA or OT-certified. ① **A**=1/16oz, $1.20, *not available in larger sizes.*

**Chioggia** (55 days) Also known as Bassano, for the Venetian hill town in which it originated. Has been cultivated in the States since the 1840s and was listed by Fearing Burr in 1863. Beautiful when sliced, this heirloom home garden type attracts attention in the kitchen with its alternating interior rings of pink and white. Noteworthy also for its light red exterior color, green tops and exceptional sweetness. It loses quality when it gets large.

**2136CH Chioggia** ② **A**=1/8oz, 90¢ (~350 seeds), **B**=1/2oz, $1.60, **C**=1oz, $3.00, **D**=4oz, $7.00, **E**=1lb, $20.00

**2137CO Chioggia OG** CCOF-certified. ③ **A**=1/8oz, $1.10 (~140 seeds), **B**=1/2oz, $3.20, **C**=1oz, $5.00, **D**=4oz, $12.00, **E**=1lb, $40.00



**Burpee's Golden** (55 days) We have dropped this variety and replaced it with #**2147** Golden Detroit Beet. *Not available in 2007.*

**2147GO Golden Detroit OG** (55 days) Sweet and delicious golden beets. Better size, vigor, taste and disease resistance than Burpee's Golden Beet, which it replaces. No green shoulders. This is the same variety we substituted for Coke's Golden last year. **NEW!** CCOF-certified. ①③ **A**=1/8oz, $1.40, **B**=1/2oz, $5.00, **C**=1oz, $9.00, **D**=4oz, $30.00, **E**=1lb, $110.00

**Coke's Golden OG** (55 days) Crop failure, *not available in 2007.*

**2156CY Cylindra** (56 days) Also known as Forono and Formanova. Cylindrical beet grows 6" long. A good pickling or processing beet. Roberta rates them the darkest and least fibrous of our beets. Heirloom from the 1880s, originally from Denmark. ② **A**=1/8oz, 70¢ (~295 seeds), **B**=1/2oz, $1.20, **C**=1oz, $2.00, **D**=4oz, $4.00, **E**=1lb, $12.00, **K**=5lb, $52.00

**2170LG Lutz Green Leaf** (60 days) You'll have Lutz of luck if you provide your beets with plenty of mellow compost, sow the seed further apart than with other beet varieties and thin the roots to 4" apart. Also known as Winter Keeper, the best beet to grow for winter storage. Fruits remain sweet even when large. Tops are glossy green without any purple. For a special sweet treat, try baking big ones for about an hour. Heirloom variety from Europe. *We are pleased to have found the true strain again. If you received seed with off-types, please request a free replacement packet with your order.* ⑤ **A**=1/8oz, 80¢, **B**=1/2oz, $1.80, **C**=1oz, $3.00, **D**=4oz, $6.00, **E**=1lb, $12.00, **K**=5lb, $45.00

**Detroit Dark Red Medium Top** (60 days) "New varieties come and go, but the Detroit Dark Red, year after year maintains its popularity and holds its place right at the top of the list of good midseason varieties," asserted Stark Bros. catalog in 1921. Introduced 1892 (the original selections are said to have been made in Ontario) and still the standard late variety for home gardeners and canners. Globular smooth uniform roots with tender oxblood-red flesh. Commercial growers like Detroit better than any other variety except Early Wonder.

**2182DD Detroit Dark Red Medium Top** ② **A**=1/8oz, 60¢ (~295 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $4.00, **E**=1lb, $7.50, **K**=5lb, $32.00

**2183DO So-Called Detroit Dark Red Medium Top OG** About 50% off-types in our lot growout. The variation is elongated, about halfway between the typical round Detroit shape and that of Cylindra. Still a beautiful beet but definitely not Detroit. CCOF-certified. ③ **A**=1/8oz, 90¢, **B**=1/2oz, $1.50, **C**=1oz, $2.80, *not available in larger sizes.*

**Bull's Blood** (60 days) Prized for its spectacular leaves, not its rough flattened globe-shaped roots. Runaway winner of the 26 varieties in our beet greens trial, sweet with never a hint of oxalic aftertaste. Also clear winner in appearance, with large glossy reddish-purple leaves. No bull, it holds quality all summer, with color intensifying as it grows, especially under cool conditions in fall or under winter greenhouses. Bull's Blood is Eliot Coleman's red leaf of choice for winter harvest salad mixes (see p. 20 of *The Winter Harvest Manual* #**9877**). Old variety; its name hints of nineteenth century origins when beets were known as blood turnips. Selected around 1840 from the old French variety Crapaudine for darkest-colored leaves.

**2186BB Bull's Blood** ② **A**=1/8oz, $1.00 (~180 seeds), **B**=1/2oz, $2.20, **C**=1oz, $4.00, **D**=4oz, $9.00, **E**=1lb, $30.00, *no size K, order size E.*

**2187BO Bull's Blood OG** A better strain than we sold previously, with nice dark foliage, tender and sweet. PPCO-certified. ⑤ **A**=1/8oz, $1.40 (~180 seeds), **B**=1/2oz, $3.00, **C**=1oz, $5.00, **D**=4oz, $15.00, **E**=1lb, $45.00

### BURDOCK *Arctium lappa*

Culture like carrots, working the soil deeply, direct-sowing in spring and thinning to 3-6". Harvest in fall or early next spring.

**2192TG Takinogawa** (120 days) Open-pollinated. Treasured by the Japanese, who call its long fleshy aromatic taproot *gobo* and use it frequently in cooking. Takinogawa is the standard Japanese variety, setting 1-2' mild earthy-tasting bittersweet roots. Small roots are peeled and used in salads, larger roots are good in stir-fries and soupstocks. Burdock has a long history of use as a medicinal as well. Herbalist Deb Soule says that burdock root, whether eaten or used in a tea or tincture, nourishes the liver and kidneys, balances the appetite and digestion, and is useful in anti-cancer remedies. Burdock roots and seeds are also said to be helpful in combating skin diseases. Think about that the next time you run into burdock as a common farmyard weed dispensing its ubiquitous nuisance burrs. **BACK!** ⑤ **A**=1/8oz, $1.20, **B**=1/2oz, $4.00, **C**=1oz, $7.00, **D**=4oz, $20.00, **E**=1lb, $60.00

## RADISHES *Raphanus sativus*

**1/8 oz packet sows 15 ft, 1 oz 100 ft. All open-pollinated except #2282.** Radishes were represented in ancient Egyptian hieroglyphics and were part of the diet of the pyramid builders 2,700 years ago. Hardy. Can be sown early. Summer radishes easy to grow, quick to ripen and go by; make succession plantings. Require thinning to at least 2" for attractive uniform roots. Daikon and winter radishes take longer to mature, hold longer, require only one planting and need to be thinned to 6" apart. Pinch the tops if winter radishes start to bolt to seed. According to William Woys Weaver in *100 Vegetables and Where They Come From,* radishes were viewed in the eighteenth century as great relievers of the common cold, powerful fortifiers of digestion, and useful in breaking down kidney stones.

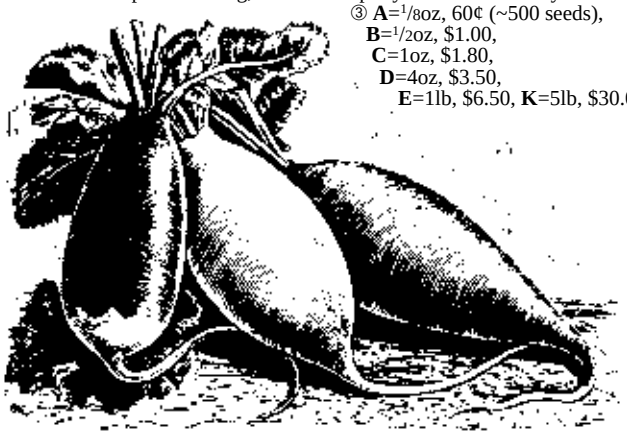
**2214CB Cherry Belle** (25 days) A good smooth red-skinned bunching radish making uniform balls 3/4" across with firm white flesh. 1949 AAS.② **A**=1/8oz, 60¢ (~700 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $6.50, **K**=5lb, $30.00

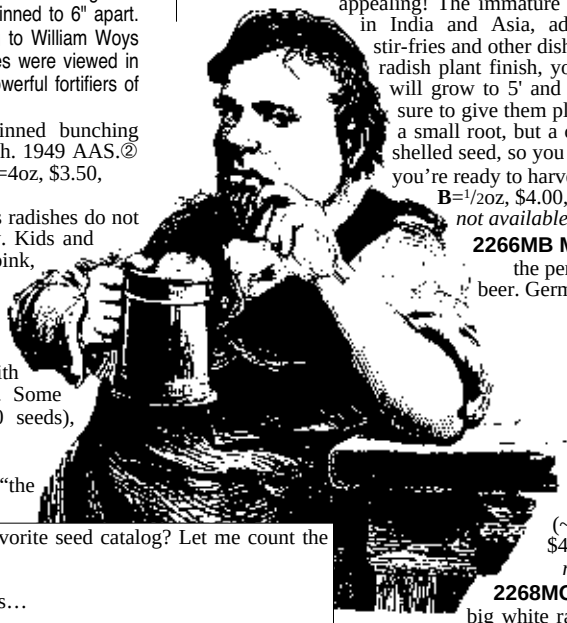
**2224EE Easter Egg** (25 days) These good-sized delicious radishes do not become woody, hollow or too hot. Nor do they bolt easily. Kids and adults love this fascinating blend which comes in shades of pink, purple, red, violet and white. Always a top seller. ⑤ **A**=1/8oz, $1.00 (~320 seeds), **B**=1/2oz, $1.80, **C**=1oz, $3.20, **D**=4oz, $8.00, **E**=1lb, $24.00, *not available in size K.*

**2234CH Champion** (25 days) Smooth scarlet roots with firm mild flesh grow quickly to edible size. 1957 AAS. Some variation in our observation plots. ③ **A**=1/8oz, 60¢ (~320 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $6.50, **K**=5lb, $30.00

**2240HS Hailstone** (25 days) Vaughan, in 1904, called it "the quickest growing radish on record," and described it as round, smooth, snowy-white with a short tender tap-root. Produces crisp juicy roots 1" in diameter which hold well. Unusually small foliage allows for close spacing. ③ **A**=1/8oz, 60¢ (~400 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $6.50, **K**=5lb, $30.00

**2248FB French Breakfast** (26 days) Called French Breakfast because it has been a favorite in Paris markets since before 1879. However, we doubt anyone actually ate them for breakfast. "A medium-sized radish, olive-shaped, small top, of quick growth, very crisp and tender, of a beautiful scarlet color, except near the tip, which is pure white. A splendid variety for the table, on account of its excellent quality and its beautiful color." —From D.M. Ferry & Co's Descriptive Catalog, 1902. Gets pithy earlier than many other sorts. ③ **A**=1/8oz, 60¢ (~500 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $6.50, **K**=5lb, $30.00



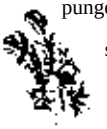


"Why is Fedco my favorite seed catalog? Let me count the ways:
1) Prices
2) Product descriptions…
3) Integrity…
4) Supplier codes…
5) Availability of organic and non-organic seed, and ECO
6) Large selection of sizes of the seed packets…
7) The letter that arrives with my seeds…
8) Large selection of varieties for most categories of seeds…
9) Germination percentages…
10) Good selection of non-hybrid and heirloom seeds…
11) You don't sell genetically engineered seeds.
12) Your seeds are high quality.…"
—S. Anderson, Roanoke, VA

**2252PP Plum Purple** (26 days) A popular plum-colored round root. Crisp white flesh has a good sweet taste with only a little heat. Very uniform, true to color, almost the size of a ping-pong ball. One customer who grows radishes under row covers to avoid root maggot damage calls Plum Purple the radish most tolerant to slightly shaded row cover conditions. With Plum Purple, Hailstone and Champion, you can make your own tricolor mix.② **A**=1/8oz, 90¢ (~500 seeds), **B**=1/2oz, $1.60, **C**=1oz, $2.50, **D**=4oz, $6.00, **E**=1lb, $22.00, *not available in size K.*

**2262WI White Icicle** (30 days) Also known as Lady Finger, heirloom was listed by Fearing Burr as White Naples, White Italian and White Transparent. Firm tender all-white roots for the home garden will grow down 4-6" in all but the heaviest soils. Mild if harvested when young and slender, and remains in good eating condition longer than most other radishes. Starks in 1924 asserted that Icicle was the most widely planted of all radishes and "absolutely unsurpassed in quality." ③ **A**=1/8oz, 60¢ (~440 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $6.50, **K**=5lb, $30.00

**2265RR Rat-tail ECO** (50 days) Grown for its tangy seed pods, not its roots. William Woys Weaver called it "the Don Juan of radishes" because of its readiness to cross with all others. Rat-tail was introduced from Japan in 1866-67 by James J.H. Gregory. The plant attracts butterflies and other pollinators, making it useful in the garden even if you don't appreciate its pungent pods. These often are as long as rat's tails, though decidedly more appealing! The immature purplish-green pods are a delicacy in India and Asia, adding a mustardy zing to salads, stir-fries and other dishes. If you've never let a mustard or radish plant finish, you might be surprised to learn they will grow to 5' and branch out as they set seed, so be sure to give them plenty of room. Your objective is not a small root, but a copious supply of pods. We supply shelled seed, so you won't have to mess with pods until you're ready to harvest. ① **A**=1/8oz, $1.30, **B**=1/2oz, $4.00, **C**=1oz, $7.00, **D**=4oz, $22.00, *not available in larger sizes.*



**2266MB Munchener Bier** (55 days) Here is the perfect accompaniment to a good dark beer. Germans traditionally serve these mildly pungent large white tapered roots sliced thin and salted to go down with their brew, but the radishes are equally good sautéed and then salted. Gives a double harvest because the tender 2-3" aerial seedpods are good in salads and stir-fries. ② **A**=1/8oz, $1.00 (~225 seeds), **B**=1/2oz, $2.50, **C**=1oz, $4.50, **D**=4oz, $10.00, **E**=1lb, $28.00, *not available in size K, order size E.*

**2268MO Misato Rose OG** (60 days) A big white radish with green shoulders, Misato doesn't look like much on the outside, but shows its beauty when sliced. Cross-sections have a rosy red center that radiates to pink then to white. Fine tasting and good looking, with plenty of spiciness, a rich sweet vegetable undertone and no harsh sharpness. Will grow as large as a big beet if given sufficient space. For autumn crops, a good keeper. MT-certified. ① **A**=1/8oz, $1.30, **B**=1/2oz, $4.00, **C**=1oz, $7.00, **D**=4oz, $22.00, **E**=1lb, $68.00, *not available in size K, order size E.*

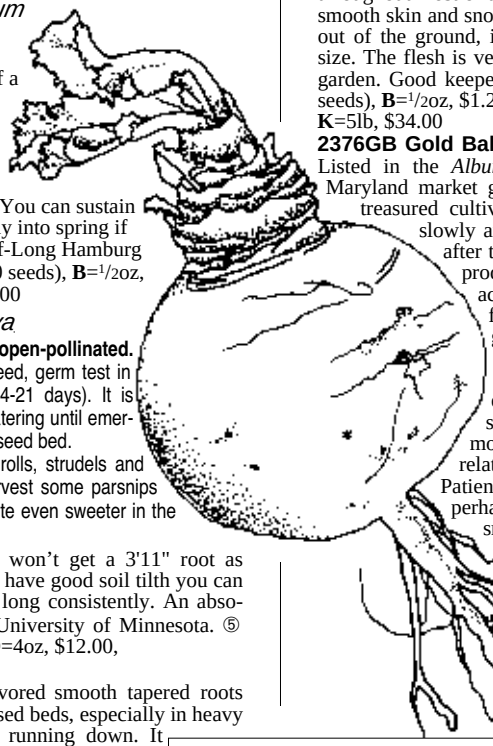
**2270BS Round Black Spanish** (65 days) Venerable Black Spanish has been traced back to the sixteenth-century conquistadors. Turnip-shaped 4" roots with corklike black exteriors have pungent white flesh which loses some heat when boiled or stir-fried. Can be stored like carrots and beets in slightly moistened sand in the root cellar. ③ **A**=1/8oz, 60¢ (~320 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $6.50, **K**=5lb, $30.00

**2282SR Shinden Risoh Daikon** (68 days) F-1 hybrid. The best of the 13 varieties in Eric Rector's daikon observations, Shinden Risoh grew long straight roots, crisp with a full hot flavor. Cooking softens the texture, and mellows the heat. This type showed the best uniformity and the least tendency to bolt in the plot. *Daikon* means "big root" in Japanese. Long cylindical 2 1/2 lb. roots are capable of penetrating 20" in friable soils. Resistant to yellow wilt and virus. ⑤ **A**=1g, 90¢ (~80 seeds), **B**=4g, $2.80, **C**=14g, $6.00, **D**=28g, $10.00, *not available in larger sizes.*

# OTHER ROOTS

## ROOT PARSLEY *Petroselinum crispum*

**2301HM Hamburg Parsley** (90 days) Open-pollinated. Enhance your soups and specialty dishes with these nutty-flavored roots redolent of a parsley/celery combination. The flat young parsley leaves also add zest. Slender 7" wedge-shaped roots benefit from a well-prepared seed bed. May get woody in midsummer so we recommend sowing in mid-late summer rather than spring to keep them thin and tender longer. You can sustain a harvest through much of the winter and possibly into spring if you protect them. Roots slightly longer than Half-Long Hamburg which it replaces. **NEW!** ② **A**=1/8oz, 90¢ (~2450 seeds), **B**=1/2oz, $2.20, **C**=1oz, $3.80, **D**=4oz, $9.00, **E**=1lb, $20.00



## PARSNIPS *Pastinaca sativa*

**1/8 oz packet sows 25 ft, 1 oz about 200 ft. All open-pollinated.** Seed is short-lived; if you are planning to use old seed, germ test in paper towels before sowing. Slow to germinate (14-21 days). It is essential to keep the seedbed moist with frequent watering until emergence. Along with carrots, require a deeply prepared seed bed.

One of the best for grating and stuffing into eggrolls, strudels and veggie pies. A parsnip pie is an amazing treat. Harvest some parsnips after frost for late fall delights. The remainder will taste even sweeter in the spring after overwintering!

**2306ND Andover** (120 days) You probably won't get a 3'11" root as Kenneth Carlson of Viroqua, WI, did, but if you have good soil tilth you can expect refined tapered cylindrical roots 12-14" long consistently. An absolute knockout in our trials. Developed by the University of Minnesota. ⑤ **A**=1/8oz, $1.10, **B**=1/2oz, $3.00, **C**=1oz, $5.00, **D**=4oz, $12.00, **E**=1lb, $40.00, **K**=5lb, $190.00

**2310HA Harris Model** (120 days) Sweet-flavored smooth tapered roots average 10". For better performance, prepare raised beds, especially in heavy soils. Don't believe stories that this strain is running down. It looked great in our plots. ③ **A**=1/8oz, 70¢ (~800 seeds), **B**=1/2oz, $1.20, **C**=1oz, $1.80, **D**=4oz, $3.60, **E**=1lb, $9.50, **K**=5lb, $45.00

"This catalog is more engaging than most novels: all those intriguing characters. Who should I root for???"
—Erica Funkhouser

## SCORZONERA *S. hispanica*

**2322NR Noir de Russie** (120 days) Open-pollinated. Long narrow dark-skinned white-fleshed root. Although not handsome, it is prized by gourmet cooks in Europe who call it the oyster plant for its distinctive flavor and use it like potatoes in *haute cuisine. Scorzonera* derives from the Spanish *corteza negra* or "black bark." Has a firm delightful texture almost like pudding, not sweet like many root vegetables. Much of the flavor resides in the dark skin which should not be peeled before cooking. Culture like parsnips, overwintering in the field and pulling as needed. Tastes better after a hard frost. Has only limited storage in root cellars. Seed is short-lived; germ test old seed in paper towels before using. ③ **A**=1/8oz, $1.10, **B**=1/2oz, $3.00, **C**=1oz, $5.00, **D**=4oz, $12.00, **E**=1lb, $42.00, *not available in size K, order size E.*

## SKIRRET *Sium sisarum*

**2327KO Skirret OG** (120 days) Open-pollinated. If you like parsnips, you'll probably love skirret. Both of these root crops are ready for harvest in fall, but are customarily overwintered for sweet treats in spring. Both are so hardy that they can stand the toughest winters. Both have a sweet nutty flavor that enhances cold-weather pies. Skirret makes a bundle of swollen greyish-white roots from the crown, each much thinner than a parsnip. It has an affinity for wet or boggy land where most other vegetables do not like to grow. Root formation is longest and straightest in sandy soil where the longest roots will be the diameter of your pinky and up to 1' long if they receive adequate moisture. Culture like celery, starting indoors 8-10 weeks before setting out, or direct seed in spring. It can take spring frosts and transplants well. Thin to 1' apart as the umbelliferous plants will grow 3-6' and need staking if you wish to save seed. Skirret can also be propagated from root cuttings. Good eaten raw in salads, baked, stewed, braised, batter-fried, or used in soups, stews and curries, a versatile addition to your cuisine. MOFGA-certified. ① **A**=0.2g, 90¢, **B**=1g, $2.50, **C**=4g, $8.00, *not available in larger sizes.*

## RUTABAGAS & TURNIPS

**1/8 oz packet sows almost 40 ft, 1 oz about 400 ft. All open-pollinated.** Hardy members of Crucifer family. Thinning is critical for full-sized roots. Turnips have a shorter growing season and are not as cold-hardy or as good keepers as rutabagas. Turnips are best picked before they get large and fibrous. Rutabagas, also known as swedish turnips or Swedes, form enlarged roots above ground with a finely branched system below.

**2358LU Laurentian Rutabaga** (95 days) *Brassica napus* "Oh how our 200 families dig these beauties!" exults Ann Elder. "We smash them, scallop them, grate them on salad, mix them with veggie burger mix, then fry them, soup them, stew them…" Popular Canadian variety with deep purple crown and cream yellow base. Uniform 5-6" almost neckless roots suitable for winter storage, larger and sweeter than American Purple Top. Pale yellow flesh has refined texture and taste. ② **A**=1/8oz, 60¢ (~1120 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.50, **E**=1lb, $11.00, **K**=5lb, $45.00

**2372WE White Egg Turnip** (45 days) *B. rapa* A staple of seed catalogs throughout most of the 19th century. Henderson in 1902 praised its perfectly smooth skin and snowy white flesh. Roots are egg-shaped, grow rapidly half out of the ground, ideal for early market bunching before they attain full size. The flesh is very sweet, so mild they can be eaten raw fresh from the garden. Good keeper; flavor intensifies in storage. ② **A**=1/8oz, 70¢ (~1550 seeds), **B**=1/2oz, $1.20, **C**=1oz, $2.00, **D**=4oz, $3.50, **E**=1lb, $7.20, **K**=5lb, $34.00

**2376GB Gold Ball Turnip** (45 days) *B. r.* Also known as Orange Jelly. Listed in the *Album Vilmorin* (1854-55) as Robertson's Golden Ball. Maryland market grower Brett Grohsgal writes, "Gold Ball Turnip is a treasured cultivar for winter production on our farm.…It starts out slowly and seems quite susceptible to early weed pressure. But after the frosts and freezes have begun, it comes into its own: produces large amounts of superbly flavored turnips 1-2" across. These last in good shape even through many freeze-thaw cycles, when other cultivars like Purple Top get woody and unmarketable. Gold Ball remains mild and nutty and has a firm, near-perfect texture. Best simmered or roasted. Pleases even those retail customers who don't really like other turnips, and an extremely strong seller with our restaurant chefs. It washes much more easily than others we grow, has a smooth skin relatively free of root hairs except at the very bottom. Patience with Gold Ball is vital, and it rewards us with perhaps our finest turnip." Not truly orange, the skin is very smooth and yellow and the soft flesh is golden-yellow. Rather broad leaves of medium height. Although the globes reach 4-5" at full size, they achieve peak flavor and maximum sweetness at 3" in diameter. Good keeper. ② **A**=1/8oz, 70¢ (~1600 seeds), **B**=1/2oz, $1.50, **C**=1oz, $2.50, **D**=4oz, $5.00, **E**=1lb, $8.00, **K**=5lb, $34.00

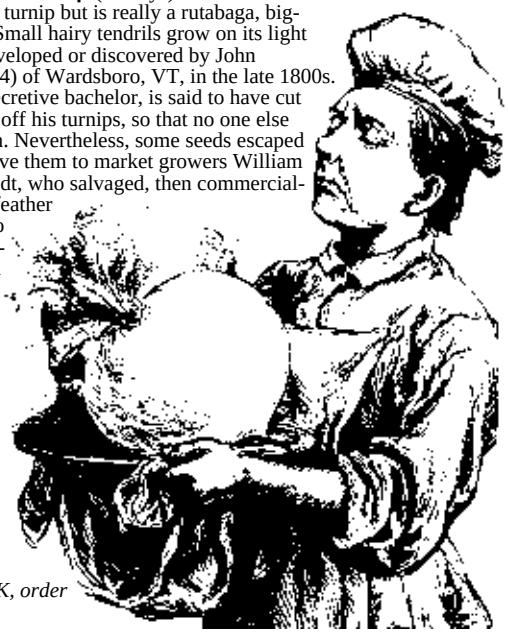
**Purple Top White Globe Turnip** (50 days) *B. r.* Popular variety with purple tops, white bottoms and white flesh can get 6" in diameter. An heirloom from before 1880. Starks claimed in 1921 that "other varieties are good, but this one stands in a class by itself." Susan, no lover of turnip, asks impishly, "The stock-feed class?" Yes, they are sometimes used to feed livestock, but Eli and I like them in soups and Joanna eats them up to golf-ball-sized with the greens.

**2378WG Purple Top White Globe** ② **A**=1/8oz, 60¢ (~1750 seeds), **B**=1/2oz, $1.00, **C**=1oz, $1.80, **D**=4oz, $3.00, **E**=1lb, $5.00, **K**=5lb, $20.00

**2379WO Purple Top White Globe OG** CCOF-certified. ③ **A**=1/8oz, 70¢ (~1750 seeds), **B**=1/2oz, $1.50, **C**=1oz, $2.50, **D**=4oz, $4.00, **E**=1lb, $7.00, **K**=5lb, $32.00

**2384RR Red Round Turnip** (55 days) *B. r.* Customers have asked for Ohno Scarlet Turnip, which is no longer commercially available. Instead, we offer Red Round which is almost identical. Red Round's root is actually a little rounder than Ohno's, but with the same tennis ball size and bright red skin. Inside flesh is white with a bit of variable rose blushing. Stunning sliced on a crudité platter. ⑤ **A**=1/8oz, $1.20 (~850 seeds), **B**=1/2oz, $3.50, **C**=1oz, $6.00, **D**=4oz, $18.00, **E**=1lb, $62.00, *not available in size K, order size E.*

**2392GF Gilfeather® Turnip** (85 days) *B. n.* This heirloom has come down in folklore as a turnip but is really a rutabaga, big-knobbed and bulky. Small hairy tendrils grow on its light green skin. Either developed or discovered by John Gilfeather (1865-1944) of Wardsboro, VT, in the late 1800s. Gilfeather, a lanky secretive bachelor, is said to have cut the tops and bottoms off his turnips, so that no one else could propagate them. Nevertheless, some seeds escaped to a neighbor who gave them to market growers William and Mary Lou Schmidt, who salvaged, then commercialized, the variety. Gilfeather is sweeter and later to mature than other turnips, not woody even at softball size, and tastes better after frost. Listed on Slow Foods' Ark of Taste. Enjoy its tender mild spineless greens as well as its sweet white flesh. ① **A**=1/16oz, $1.10 (~500 seeds), **B**=1/4oz, $3.20, **C**=1oz, $10.00, **D**=4oz, $36.00, **E**=1lb, $125.00, *not available in size K, order size E.*



## ALIMENTARY ALLIA *Allium spp.*

**1/16 oz packet about 400-600 seeds, 1 oz 6,400-9,600.** Start indoors in Feb. or March (April is too late for good-sized onions) and transplant out in spring almost as soon as the ground can be worked. Set leeks 6-12" apart, onions 4-6," scallions 3-4" in trenches in well-dug beds with generous quantities of organic matter. Avoid transplanting next to grass strips; slugs love to dine on tiny allium seedlings. Irrigate seedlings whenever the topsoil dries out.

Onion and leek seed is short-lived. Retest 1-year-old seed before using. Discard anything older.

Onions contain allicin which benefits the heart and immune functions. Research at Cornell University has shown that the more pungent the onion variety, the greater its content of cancer-fighting antioxidants. Breeders are trying to develop sweeter, less pungent onions that retain the nutritional benefits.

Onions provided an important part of the diet in ancient Egypt. Seeds have been found in a tomb dating from 3,200 B.C. According to Paul and Alison Wiediger writing in *Growing for Market*, Greek athletes ate pounds of onions, drank onion juice and rubbed the juice on their bodies to prepare themselves for competition.

Onions are second only to tomatoes as the world's most economically important vegetable. In the United States they have a $4 billion annual retail value. While the average American eats 18.7 lb per year, Libyans consume almost four times as many per capita.

When it begins to warm up in spring put your remaining storage onions in your refrigerator crisper. Most will keep without sprouting until your new crop is ready.

### LEEKS *A. porrum*

**All open-pollinated.** Leeks have become a mainstay in our kitchens throughout the fall. Early leeks have tall shanks above ground and should be harvested before severe frosts. Hardier leeks have broader, shorter shanks and will hold till November. Leeks brought into the root cellar will survive almost the entire winter if heeled into dirt.

**2408LN Lincoln** (75 days) Lincoln's shanks are even longer and sleeker than King Richard's, with the delicate sweet flavor all of us look for in a good leek. Ready in late August, will withstand light frosts, but should be harvested before the really cold nights of late October. Lincoln has a dual use. Sown thickly like scallions, it can be harvested as finger-thick leeks in 50-60 days, and bunched. This will go over well in upscale direct markets and please discerning chefs. ④ **A**=1/16oz, $1.70 (~450 seeds), **B**=1/8oz, $3.20, **C**=1/2oz, $11.00, **D**=1oz, $18.00, **E**=4oz, $65.00, **K**=1lb, $220.00

**2411KO King Sieg OG** (84 days) Beth Ragorshek of Canyon Bounty in Idaho crossed King Richard with Siegfried Frost leek to create a versatile stable cultivar that has some of the good attributes of both. Sieg appears to have inherited most from Siegfried. Its shanks are intermediate between the long King Richard and the short Siegfried, about 6" long but with a wonderful 3" thickness for a wide edible area. It also has some of Siegfried's delightful blue-green coloration and delayed maturity. Although we have not tested it for wintering over, we speculate from its growth pattern that it is a good candidate. ID-certified. ① **A**=1/16oz, $1.50 (~700 seeds), **B**=1/8oz, $2.50, **C**=1/2oz, $8.00, **D**=1oz, $15.00, **E**=4oz, $40.00, **K**=1lb, $120.00

**Imperial** (85 days) Our supplier had only treated seed. *Not available this year*.

**Siegfried** (120 days) Crop failure, *not available in 2007*.

**2425BS Bleu de Solaize** (110 days) A hard-to-find French heirloom and a noble replacement for Siegfried. The only leek to over-winter for Adam Tomash and June Zellers. Of their 20 plants, 10-15 survived the alternating freezes and thaws of the past Maine winter and were edible in spring, with only straw mulch for protection. So-named because its dark green leaves develop a tinge of blue during cold spells. Hardy fat medium-long shanks with mild flavor good in soups. Dates back to the 19th century. **NEW!** ① **A**=1/16oz, $1.60 (~500 seeds), **B**=1/8oz, $2.80, **C**=1/2oz, $9.00, **D**=1oz, $16.00, **E**=4oz, $50.00, **K**=1lb, $150.00

### SCALLIONS *A. fistulosum*

**2439EV Evergreen Hardy White** (65 days) Open-pollinated. Also known as Nebuka, a perennial bunching onion. If overwintered in the ground, develops clumps of scallions in the spring which can be harvested or divided and replanted. A welcome treat in April, one of the first fresh foods. Heirloom from Japan originated in the 1880s. ②③ **A**=1/16oz, 90¢ (~575 seeds), **B**=1/8oz, $1.60, **C**=1/2oz, $2.80, **D**=1oz, $4.50, **E**=4oz, $7.00, **K**=1lb, $25.00

### SHALLOTS *A. cepa (aggretatum group)*

**2441PR Prisma** (100 days) F-1 hybrid. Dependably early and red to the core. That's Prisma, a delicious long-day shallot with a strong onion flavor. Sow inside at the same time as onions and leeks or direct seed outdoors in early spring 1/2" apart in a 2-4" wide band. For clusters sow more thinly. Each seed will produce 2-5 bulbs, red-purple with a high gloss finish and angular edges. Always ready by September 1 and still rock-hard the following April. Nikos' stored until July. ④ **A**=0.5g, $2.10 (~150 seeds), **B**=1g, $3.60, **C**=2g, $7.00, **D**=4g, $12.00, **E**=14g, $36.00, **K**=28g, $65.00

### ONIONS *A. cepa*

Onions are day-length sensitive. The earlier they are set out, the more chance they have to make top growth while the days are lengthening. The more top growth, the greater the bulb size. After Summer Solstice they begin bulbing. After half the onion tops fall, push over the remainder and harvest within a week. Field cure in the sun about 10 days until dry, covering with a tarp in wet weather. Curing is essential for long storage. Hang sacks in a cool dry well-ventilated place, periodically removing sprouting or rotting bulbs. Onions survive light frosts.

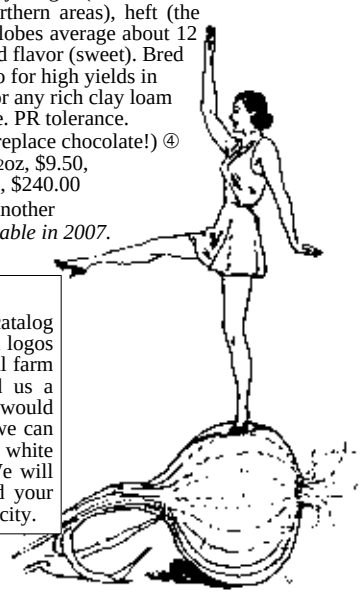
**2444CW Crystal White Wax** (70 days) Open-pollinated. These 1 1/2" pearly white bulbs ripen around the same time as peas for early summer baby onions or pickles. ②③ **A**=1/16oz, 90¢ (~850 seeds), **B**=1/8oz, $1.60, **C**=1/2oz, $2.80, **D**=1oz, $4.50, **E**=4oz, $8.00, **K**=1lb, $28.00

**New York Early OG** (98 days) Crop failure, *not available this year*.

**First Edition** (96 days) F-1 hybrid. We have dropped this Seminis/Monsanto variety. *Not available in 2007*.

**2454EX Expression** (98 days) F-1 hybrid. "Who are you?" said the caterpillar. A modern Lewis Carroll, trained as a plant breeder instead of as a mathematician, might ask instead, "What traits do you express?" Expression (who names these varieties, anyway?) expresses earliness (sits down about 4 days ahead of Candy), intermediate to long day length (suitable for middle Atlantic and northern areas), heft (the large globes average about 12 oz.) and flavor (sweet). Bred by Bejo for high yields in New York, Pennsylvania muck soils or any rich clay loam in the region. Short to medium storage. PR tolerance. Replaced Candy. (Just don't ask it to replace chocolate!) ④ **A**=1/16oz, $1.40, **B**=1/8oz, $2.50, **C**=1/2oz, $9.50, **D**=1oz, $18.00,**E**=4oz, $65.00, **K**=1lb, $240.00

**Super Star** (100 days) F-1 hybrid. Another Seminis/Monsanto casualty. *Not available in 2007*.



FARM LOGOS WANTED

We would like to do a future catalog with the theme of farm names and logos featuring some of the most original farm names and graphics. Please send us a copy of your farm logo. We would prefer black and white, although we can render color logos into black and white with a small loss of resolution. We will choose the ones we like best and your farm will get free nationwide publicity.

**2469CD Candy** (102 days) F-1 hybrid. Adaptable in all parts of the country because it is a cross between a long-day and a short-day onion. In our region Candy should be planted in spring, harvested in fall and will store all winter like a long-day onion, while retaining the typical mild sweet flavor of a short-day onion. Candy's perfectly round globes have small necks, beautiful golden-brown color, thinner skin than Copra and attractive white flesh. They grow to jumbo size, slightly larger than Copra, yet usually make single centers. Our carryover seed tested 97% in August and will be retested in December and sent out only if result is good. *This is the last year we will carry this Seminis variety. Seed in short supply; order early.* ⑥ **A**=1/16oz, $1.70 (~390 seeds), *not available in larger sizes.*

**2472CP Copra** (104 days) F-1 hybrid. Hard medium-sized storage onions with blocky round shapes and thin necks. The standard storage onion for commercial growers who bought 61 packages of an ounce or more last year. We are overstocked on held-over seed and are offering a special on Copra. The two lots tested at 86% and 92% in August and will be retested in December. We will send them out only if those tests exceed 80%. ④ **A**=1/16oz, $1.20 (~445 seeds), **B**=1/8oz, $2.20, **C**=1/2oz, $7.50, **D**=1oz, $14.00, **E**=4oz, $50.00, **K**=1lb, $190.00

**2474DO Clear Dawn OG** (104 days) The best open-pollinated storage onion, Clear Dawn was bred out of Copra by biodynamic market growers and continues to be improved by Turtle Tree Seed. Dawn is slightly smaller than Copra with thicker necks, darker bronze skins and the same great storage capability. Ours averaged 9-10 oz. in 2004 and were very hard. ID-certified. ① **A**=1/16oz, $1.40, **B**=1/8oz, $2.50, **C**=1/2oz, $8.00, **D**=1oz, $15.00, **E**=4oz, $55.00, **K**=1lb, $200.00

**Mars** (104 days) F-1 hybrid. Another dropped Seminis/Monsanto variety. There is no longer life on Mars. *Not available in 2007.*

**2477BC Borrettana Cipollini** (105 days) Open-pollinated. Italian heir-loom makes the quintessential boiling and braising onion. Shaped like a button, up to 4" wide (normally 3") but less than 1" thick. Flattened spheres with shiny golden skin slightly brighter than Copra's. Fine-grained flesh has a very mild yet well-developed flavor. Appreciated in soups, stir-fries and shish kebab. Braids beautifully and keeps till late winter. We like this so much we are planning to add a red Cipollini next year. ② **A**=1/16oz, $1.10 (~520 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.60, **D**=1oz, $6.50, **E**=4oz, $20.00, **K**=1lb, $72.00

**Bennie's Red** (105 days) Crop failure. *Still not available this year.*

**2479PR Prince** (105 days) F-1 hybrid. Several commercial growers requested Prince, an outstanding storage onion from the same breeder as Copra. Prince is slightly larger than Copra and stores almost as long. A long-day type adaptable to northern latitudes, Prince features classy uniform blocky large globes with vigorous tops that finish off to refined necks. Its satiny brownish-yellow skins adhere well even after long storage. ④ **A**=1/16oz, $1.40 (~440 seeds), **B**=1/8oz, $2.50, **C**=1/2oz, $9.50, **D**=1oz, $18.00, **E**=4oz, $65.00, **K**=1lb, $240.00

**2484AC Ailsa Craig** (110 days) Open-pollinated. Also known as Exhibition. The onion made famous by Jason Kafka of Checkerberry Farm in Parkman, ME, one of Common Ground Fair's 2004 keynoters. He annually produces tons of 1-3 lb. onions from this variety, achieving production multiples that Wall Street can only dream about. Yields well in excess of l lb. per row foot. This is the onion to grow to enter in the Exhibition Hall of your county fair. The enormous slightly oval pale straw-colored globes are sweet, mildly pungent and will store a short while. A cross between Danvers Yellow and Cranston's Excelsior introduced by David Murray in 1887, Ailsa Craig was named after Ailsa Crag, a small steep-sided island off the west coast of Scotland. ④ **A**=1/16oz, $1.60 (~400 seeds), **B**=1/8oz, $2.80, **C**=1/2oz, $11.00, **D**=1oz, $20.00, **E**=4oz, $75.00, **K**=1lb, $280.00

**Rossa di Milano OG** (110 days) Open-pollinated. Crop failure, regret *not available in 2007.*

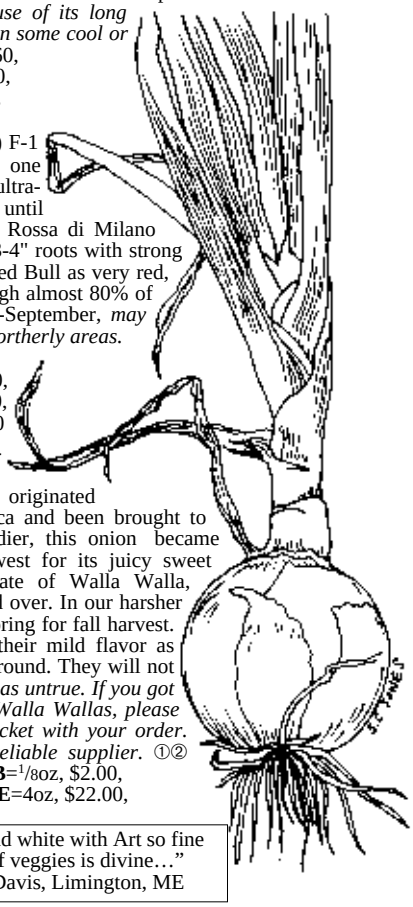
**2487RW Red Wethersfield** (110 days) Open-pollinated. Perhaps the oldest onion still in commerce becomes the latest in our revolving door of red onion varieties. Named for the town of Wethersfield, CT, (still home to two seed companies) where it was grown extensively for market in the 19th century. Large deep medium-firm purple-red flattened globes, pink-tinged white flesh with red concentric circles like a Chioggia beet. Long-day variety keeps till late winter. Good strong flavor. Developed by Wethersfield growers around 1800 and first offered in 1834 by Hovey & Co. Looked good in Donna Dyrek's trial. A home garden favorite for two centuries. **NEW!** (or shall we say, **OLD!**) ①② **A**=1/16oz, $1.10, **B**=1/8oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $6.00, **E**=4oz, $18.00, **K**=1lb, $60.00

**2488VS Varsity** (110 days) F-1 hybrid. Rah, Rah, Rah! Sis Boom Ba! Rooting (pun intended) for this Varsity is easy because it is the champion large storage onion every year. Bigger, earlier, equally uniform and just as hard as Delgado, which it replaced. The 1 1/2 lb. bulbs are as big or bigger than Ailsa Craig, with a nice round shape and very few doubles. They keep almost forever, Put this varsity in your starting line-up and get ready for a super season in your onion patch. ⑤ **A**=1/16oz, $1.30 (~515 seeds), **B**=1/8oz, $2.20, **C**=1/2oz, $8.00, **D**=1oz, $15.00, **E**=4oz, $56.00, **K**=1lb, $220.00

**2491RW Redwing** (116 days) F-1 hybrid. Kafka's new star performer in the unusual 2005 season whose frigid, wet spring morphed abruptly into a steamy summer. The Redwings, normally a late variety, loved it, sizing up to baseballs and finishing by fair time in late September. Kafka got over 6000 lb. from 4500 row feet. Very hard globe-shaped 3-4" bulbs with deep purple-red glossy skin keep almost as well as Copra. Rated the ultimate red storage onion. *Caution: because of its long season, may not be adaptable in some cool or coastal areas.* ④ **A**=1/16oz, $1.60, **B**=1/8oz, $3.20, **C**=1/2oz, $12.00, **D**=1oz, $22.00, **E**=4oz, $80.00, **K**=1lb, $300.00

**2493RB Red Bull** (118 days) F-1 hybrid. No bull, Red Bull is one good storage onion. These ultra-hard large red globes will keep until May. Shinier and darker than Rossa di Milano and red through and through. 3-4" roots with strong tops. Donna Dyrek rates her Red Bull as very red, very big and very nice. Although almost 80% of her crop had finished by mid-September, *may require too long a season for northerly areas.* **NEW!** ④ **A**=1/16oz, $1.60, **B**=1/8oz, $2.70, **C**=1/2oz, $10.50,**D**=1oz, $20.00, **E**=4oz, $70.00, **K**=1lb, $270.00

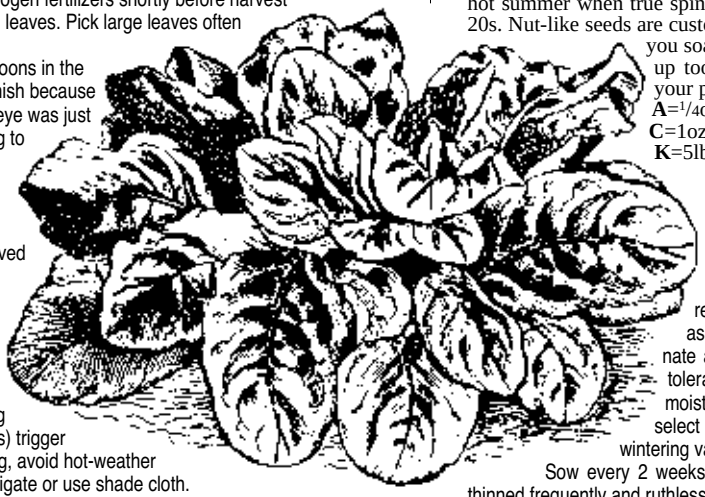
**2498WW Walla Walla Sweet Spanish** (125 days) Open-pollinated. Said to have originated in the French island of Corsica and been brought to Washington by a French soldier, this onion became famous in the Pacific Northwest for its juicy sweet flavor. In the maritime climate of Walla Walla, Washington, it can be wintered over. In our harsher zone, it must be sown in the spring for fall harvest. Large onions are known for their mild flavor as soon as they come out of the ground. They will not store. *One of our lots of seed was untrue. If you got scallions last year instead of Walla Wallas, please request a free replacement packet with your order. We're back to our original reliable supplier.* ①② **A**=1/16oz, $1.10 (~435 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.60, **D**=1oz, $6.50, **E**=4oz, $22.00, **K**=1lb, $70.00



"…It's black and white with Art so fine
The prose of veggies is divine…"
—Bob Davis, Limington, ME

## SPINACH *Spinacia oleracea*

**¼ oz packet sows 30-50 ft, 1 oz plants 120-200 ft.** Very hardy. Must be planted as soon as the ground can be worked in the spring to avoid early bolting. For fall crop try late Jul-Aug sowing; to overwinter, sow late Aug-Sept. Heavy nitrogen requirements, but avoid applying high-nitrogen fertilizers shortly before harvest to prevent high nitrate levels in the leaves. Pick large leaves often for heavier production.



Popularized by the Popeye cartoons in the '30s and '40s ("I'm strong to the finish because I eat my spinach"). Evidently, Popeye was just a little ahead of his time. According to the USDA, annual consumption of spinach increased 66 per cent between 1992 and 2002, and per capita it has multiplied more than sevenfold since 1975! Smooth-leaved spinach is easier to wash than the semi-savoyed type, and is increasingly the preference. The rip-roaring 2005 debut of #**2510** Space, a smooth-leaved type, our most successful introduction ever, attests to the trend. Heat, crowding and long day-length (over 14 hours) trigger premature bolting. To retard bolting, avoid hot-weather planting, use wider spacing and irrigate or use shade cloth.

Spinach seed will not germinate in soil temperatures above 85˚F. Germination is optimal in the 60s and slowed above 75˚.

**2510SP Space** (37 days) F-1 hybrid. Launched into outer space with sales of over 3,000 packets, topped only by Provider beans and Sweet Basil. Space may be at the final frontier of spinach breeding. As one trialer put it, "Along with Olympia it dusted all the others." Space produces the kind of vigorous big thick wavy mostly smooth slightly savoyed leaves that market growers love and restaurant chefs adore. In 2004, Donna Dyrek planted it at the worst possible time, May 19 on a sunny hot buggy 86˚ day and still got a week's production at the end of June. Sown at normal spring-planting time it will stand at least two weeks. Vigorous at all times, it was the quickest to mature from a fall planting. "Space over-wintered here in Zone 6 (minimum temperature -8˚F) without any cover I think," says David Carr from Port Treverton, PA. Upright growth results in good clean dark-green leaves with a juicy sweet taste. Resistant to DM1,2,3. ④ **A**=¼oz, 90¢ (~400 seeds), **B**=½oz, $1.50, **C**=1oz, $2.50, **D**=4oz, $5.50, **E**=1lb, $18.00, **K**=5lb, $80.00

**2512LY Olympia** (38 days) F-1 hybrid. We wouldn't give you a Snowe job. Olympia is a better spinach than a Senator. Not a spinach for all seasons, but an outstanding performer when planted for the fall crop. Fast-growing Olympia was the star performer of our fall taste test instigated by spinach breeder John Navazio, producing enormous yields of mostly smooth leaves up to 5x6". Almost entirely lacking in that oxalic acid taste that burdens some varieties; Olympia's mild flavor goes down easy. But like our Senator, Olympia can't stand the heat, and bolts quickly when planted in spring. Both the spinach and the politician survive just fine through November and over the winters. Resistant to DM1,2,3. ⑤
**A**=¼oz, 90¢ (~660 seeds), **B**=½oz, $1.60, **C**=1oz, $2.60, **D**=4oz, $6.50, **E**=1lb, $20.00, **K**=5lb, $95.00

**Long Standing Bloomsdale** (42 days) Open-pollinated. The standard crinkled-leaf spinach. Very good cold soil emergence. Recent hybrids surpass it in production and bolt resistance. Much better as a fall crop than in Spring when it bolts in the heat. David Landreth, founder of the Landreth Seed Company, developed the original Bloomsdale Spinach, forerunner of this type. Our strain came from Dutch breeders in 1925.

**2540LS Long Standing Bloomsdale** ② **A**=¼oz, 60¢ (~350 seeds), **B**=½oz, $1.00, **C**=1oz, $1.60, **D**=4oz, $3.20, **E**=1lb, $5.50, **K**=5lb, $25.00

**2541LO Long Standing Bloomsdale OG** OT-certified. ①
**A**=¼oz, $1.00, **B**=½oz, $1.80, **C**=1oz, $3.00, **D**=4oz, $7.50, **E**=1lb, $26.00, **K**=5lb, $125.00

**Tyee** (44 days) F-1 hybrid. What do you sow when mud season turns overnight to summer as it so often has in recent years? Tyee is the only spinach that has a ghost of a chance when the heat comes on that fast, outperforming other savoyed types both in yield and holding ability. This dependability has long made it our favorite crinkled-leaf spinach and accounts for its widespread appeal among both home gardeners and commercial growers. A spinach for all seasons. Upright habit. Tolerant to DM1,3.

**2550TY Tyee** ⑤ **A**=¼oz, 90¢ (~350 seeds), **B**=½oz, $1.60, **C**=1oz, $3.00, *not available in larger sizes.*

**2551TO Tyee OG** PCO-certified. ⑤ **A**=¼oz, $1.10, **B**=½oz, $2.00, **C**=1oz, $3.50, **D**=4oz, $8.50, **E**=1lb, $30.00, **K**=5lb, $140.00

**2555GW Giant Winter** (45 days) Open-pollinated. Selected for its cold hardiness. Recommended for late fall crops, winter greenhouse crops, or over-wintering under mulch. Large medium green semi-savoyed leaves. ②
**A**=¼oz, $1.10 (~500 seeds), **B**=½oz, $2.00, **C**=1oz, $3.50, **D**=4oz, $7.00, **E**=1lb, $24.00

**2592NZ New Zealand Spinach** (52 days) *Tetragonia tetragonioides* Open-pollinated. Discovered in New Zealand in Queen Charlotte's Sound during Captain Cook's 1770 voyage. Don't be fooled by the spinach in its name; this is not a true spinach. Doesn't look like one or taste like one, though some find it an acceptable substitute because it stands through the hot summer when true spinach bolts. Will withstand frosts down to the low 20s. Nut-like seeds are customarily slow poor germinators, will be quicker if you soak them before sowing. Be patient and don't give up too soon. Only a few plants are needed to fill in your patch because Tetragonia sprawls. ②
**A**=¼oz, 90¢ (~88 seeds), **B**=½oz, $1.70, **C**=1oz, $3.20, **D**=4oz, $6.00, **E**=1lb, $16.00, **K**=5lb, $75.00

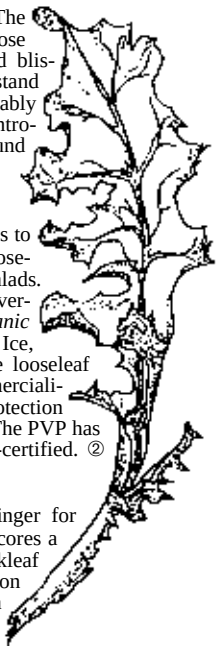
## LETTUCE *Lactuca sativa*

**1 gram packet sows 25 ft; 2 grams 50 ft; 1 oz 500-700 ft. Varieties average 875 seeds/1g pkt, or 1,750 seeds/2 g packet. All lettuce is open-pollinated.** May be started indoors in March and at regular intervals thereafter, or sowed outdoors as soon as ground can be worked. Most varieties won't germinate at temperatures above 75˚. Hardy. All save icebergs tolerate heavy frost. Grow best in cool weather with ample moisture, many kinds suffer bottom rot and tipburn in heat; select summer varieties carefully. We are trialing for over-wintering varieties for future catalog additions.

Sow every 2 weeks for continuous supply. Lettuce will not head unless thinned frequently and ruthlessly to final distance of 1'. Heavy nitrogen feeders.

See also **#6412** De Morges Braun.

### LOOSELEAF and OAKLEAF



**2712BO Black Seeded Simpson OG** (42 days) The earliest and most popular looseleaf variety. Large loose crumpled juicy light-green leaves slightly ruffled and blistered. Inner leaves tender and well blanched. Does not stand heat well; sow early as the ground can be worked. Probably originally from England circa 1850, this heirloom was introduced by Peter Henderson & Co. of New York around 1875. CCOF or QAI-certified. ②③ **A**=2g, 80¢, **B**=4g, $1.30, **C**=14g, $2.20, **D**=28g, $4.00, **E**=112g, $8.00, **K**=448g, $26.00

**2713GO Green Ice OG** (45 days) Customers asked us to list Burpee's well-known variety. This shiny crinkly looseleaf with fringed leaf margins is firm and crunchy in salads. Slow to bolt, but gets tough in the centers. A Burpee advertisement unearthed from the March 1974 issue of *Organic Gardening and Farming* magazine revealed that Green Ice, a cross between a compact butterhead type and large looseleaf varieties, was thirteen years in the making before commercialization. After the passage of the 1970 Plant Variety Protection Act, Green Ice became the first variety to be patented. The PVP has since expired. *Seed in short supply; order early.* OT-certified. ② **A**=1g, $1.50 (~900 seeds), **B**=2g, $2.80, **C**=4g, $5.00, *not available in larger sizes.*

**2718BA Bronze Arrowhead** (46 days) A dead ringer for Brunia which we can no longer get. This Arrowhead scores a bullseye for form and color, developing a gorgeous oakleaf rosette in a dance of green and bronze. Staff trialer Heron Breen describes flavor as "a quick chewy-tender mix in the mouth." Introduced as Bronze Beauty by the Germania Seed & Plant Co, this bronze was given a bronze by the AAS judges in 1947. A good variety for mesclun and cut and come again culture. Very slow to bolt. ② **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $2.80, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $35.00

**Salad Bowl** (46 days) Bright-green frilly notched leaves form compact rosette. Stands hot weather better than Black Seeded Simpson. 1952 All-America winner bred by Ross Thompson of the USDA.

**2722SB Salad Bowl** ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**2723SO Salad Bowl OG** CCOF-certified. ③ **A**=2g, 90¢, **B**=4g, $1.40, **C**=14g, $3.20, **D**=28g, $5.50, **E**=112g, $10.00, **K**=448g, $28.00

Pest: Aster Leafhopper (vector for Aster Yellows disease)
Cultural controls: control perennial broadleaf weeds near lettuce plantings, plow lettuce fields immediately after harvest.

Pest: Slug
Cultural controls: avoid mulch or nearby grassy areas.

Disease: Bottom Rot
Cultural controls: rotate with grass family green manures, plant in well-drained soil or on raised beds, more upright varieties escape infection.

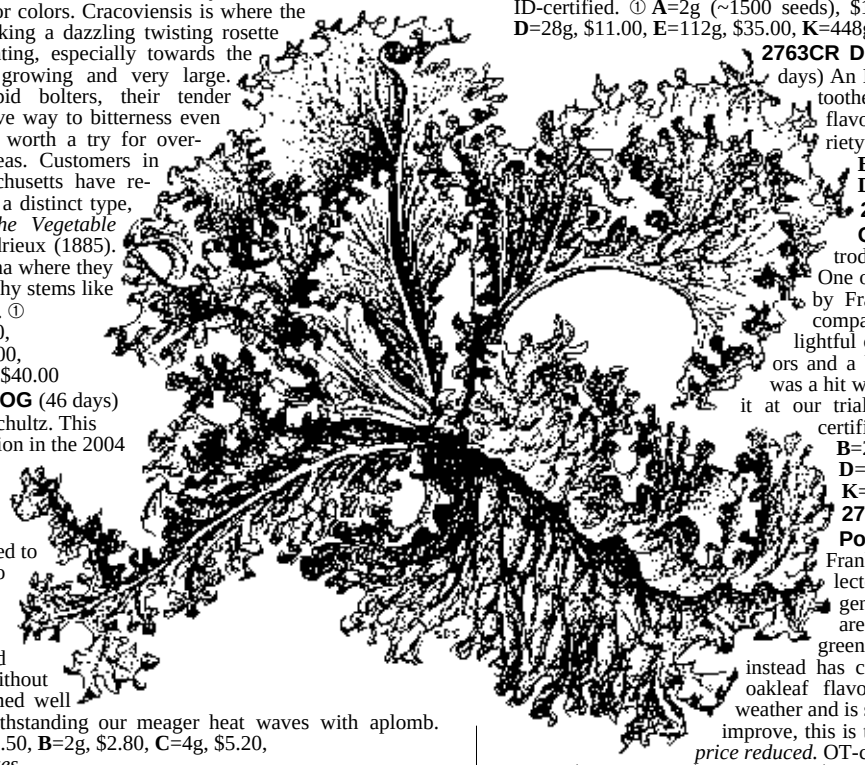
Diseases: Downy Mildew, Grey Mold, White Mold
Cultural controls: rotation, reduce duration of leaf wetness, plant parallel to prevailing winds, use wide spacing, control weeds, use well-drained fields in spring and fall.

**Red Salad Bowl** (46 days) Compact frilly rosettes of spectacular bronze-red oakleaves. Norway Maple red at tips and on young growth, green at the base of the leaves. Nice buttery flavor. One of our most popular lettuces. A staple mesclun ingredient. Introduced in 1955.

**2728RS Red Salad Bowl** ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**2729RO Red Salad Bowl OG** CCOF-certified. ③ **A**=2g, 90¢, **B**=4g, $1.40, **C**=14g, $3.20, **D**=28g, $5.50, **E**=112g, $10.00, **K**=448g, $28.00

**2731CO Cracoviensis OG** (47 days) Of all the lettuces Seed Savers curator M. Schultz has shared with me, this is my absolute favorite, unlike any other in size, shape or colors. Cracoviensis is where the red meets the green, making a dazzling twisting rosette with heavy purple accenting, especially towards the center. Plants are fast growing and very large. Although relatively rapid bolters, their tender buttery flavor doesn't give way to bitterness even after they bolt. May be worth a try for overwintering in warmer areas. Customers in New Jersey and Massachusetts have reported success. Listed as a distinct type, Asparagus Lettuce, in *The Vegetable Garden* by Vilmorin-Andrieux (1885). It is highly prized in China where they peel and eat the thick fleshy stems like asparagus. OOT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $6.00, **E**=28g, $11.00, **K**=112g, $40.00



**2732GO Strela Green OG** (46 days) From Alan Kapuler via Schultz. This lettuce arrested our attention in the 2004 trials. We had never seen anything quite like its large star-shaped rosette of rough-textured green leaves which Nikos likened to donkey ears. According to Schultz, "pointed spear-shaped leaves erupt from the center like an explosion, spectacular and decorative." Sweet and without bitterness, Strela performed well in summer plantings, withstanding our meager heat waves with aplomb. OT-certified. ① **A**=1g, $1.50, **B**=2g, $2.80, **C**=4g, $5.20, *not available in larger sizes.*

**Simpson Elite** (48 days) We have dropped this Seminis/Monsanto variety. *Not available in 2007.*

**2738AO Antares OG** (48 days) A shimmery pink and bronze oakleaf growing vigorously to magnificent size. The extra-frilled finely cut bright leaves are colorful and tender, not bitter even in early July. Antares, especially when started indoors, transplanted early in spring, and allowed ample space, puts on a terrific show. Bred by Frank Morton of Wild Garden Seed in Oregon out of a combination of Salad Bowl and Rouge D'Hiver. (See our 1999 catalog for a profile of Morton.) OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**2740DO Green Deer Tongue OG** (48 days) Also known as Matchless, this venerable heirloom goes all the way back to the 1740s. One of the only deer tongues you will ever want to see in your garden! Characteristic thick green pointed leaves radiating from a compact center. Slow to bolt. Has a rich nutty flavor that doesn't turn bitter. "Hearty, light, fun in the mouth," says our trialer. *Short crop this year*. MT or CCOF-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $6.00, *not available in larger sizes.*

**2744RO Really Red Deer Tongue Gene-Pool OG** (48 days) We revered the old Red Deer Tongue for its history and its classic leaf shape, but not for its pallid color and tendency to succumb readily to disease. Frank Morton's idea here was to really put red into deer tongue lettuce. He combined the old-timer with his own creation Hyper Red Rumple Waved to develop a whole series of Really Red breeding lines. This selection was our favorite of them, with its deep color, pronounced white-green contrasting veins and characteristic pointed leaves. *However, our growout this summer demonstrated still significant variation in color and form so we have redesignated this as a gene-pool rather than a finished variety. Some forms have the classic deer tongue shape, some don't, some are the deep red clear through that we wanted, some speckled (very beautiful) and some with shades of green mixed with the red.* From Hyper comes heightened resistance to SC, DM, X and tipburn. Although not among the best summer lettuces, RRDT stands heat better than its forbears and does not bolt as readily. A Fedco introduction. OT-certified. ① **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.50, **D**=14g, $7.00, **E**=28g, $13.00

**2754PZ Prizehead** (48 days) Crinkly outer leaves tinged with red. Superior flavor. Very popular market type. Bolts in heat. Listed 1873 by D. M. Ferry & Co. and offered by Burpee under the name Tomhannock in 1886. ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**Red Sails** (49 days) Petoseed's 1985 All-America winner has become almost synonymous with red leaf lettuce. Red Sails is slow to become bitter or to bolt even in heat, and a most attractive large plant with purplish red-splashed leaves. 10-16" rosettes serrated with bubbled frills. Lightly crunchy lobes with a good melting texture. Highest rated of 13 lettuces for vigor in OSU trial. Dependable for wholesale markets. Second only to Buttercrunch in popularity.

**2760RS Red Sails** ⑥ **A**=2g, $1.20 (~1500 seeds), *not available in larger sizes*.

**2761RO Red Sails OG** With the PVP on this Seminis variety having run out, we commissioned our own production of certified organic seed. ID-certified. ① **A**=2g (~1500 seeds), $1.50, **B**=4g, $2.80, **C**=14g, $6.00, **D**=28g, $11.00, **E**=112g, $35.00, **K**=448g, $135.00

**2763CR Della Catalogna Radichetta** (49 days) An Italian heirloom lettuce with deeply toothed green oak leaves of a delicate flavor like corn salad. This is a good variety for braising. ② **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $3.00, **D**=14g, $6.00, **E**=28g, $10.00

**2764BO Blushed Butter Oaks OG** (49 days) This 1997 Fedco introduction aroused immediate interest. One of a new class of lettuces developed by Frank Morton. Best described as a compact oakleaf butterhead, with a delightful combination of pink and green colors and a buttery taste, Blushed Butter Oaks was a hit with everyone who saw it or sampled it at our trial. Has some frost tolerance. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**2766GO Blushed Icy Oak Gene Pool OG** (49 days) Here's another of Frank Morton's oakleaf creations, selected out of the Blushed Butter Oaks gene pool. Its rich juicy sweet leaves are tinged red on the outside with green centers. Not buttery like #**2764**, instead has crisp iceberg texture with enriched oakleaf flavor. Gets bitter only in very hot weather and is somewhat slow to bolt. Unless sales improve, this is the last year we will offer. *Special: price reduced.* OT-certified. ① **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $3.00, **D**=14g, $8.00, *not available in larger sizes.*

**2767DO Les Orielles du Diable OG (Devil's Ears)** (50 days) One of the lovely rare treasures once maintained by the Abundant Life Seed Foundation. A standout in our plots where we have greatly preferred it to the comparatively pallid Red Deer Tongue. This is deer tongue lettuce with real color and good heat tolerance. Starlike rosettes of tasty glossy leaves are deeply tinged with burgundy for a shimmery appearance. We enjoyed its nutty texture and bitter-free flavor. One of the last to bolt. CCOF-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $35.00

**2768LO Lingue di Canarino OG (Canary Tongue)** (50 days) What do you get when you combine Devil's Ears with Canary Tongue? No, not canary ears or Devil's tongue, but instead the beginnings of good mesclun. Lingue is a refined oakleaf type that grows larger and stands longer than the original Oakleaf without bolting or getting bitter. Mild-tasting light-green 8" rosettes. Performs well in fall. Originally from Europe. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $35.00

**2769WL Waldmann's** (50 days) Large handsome crinkly-leaved heads of bright green lettuce. An attractive green-leaf Grand Rapids type for market. Appearance and texture superior to Green Ice, but not as heat tolerant. Gets bitter toward mid-July. Pre-1880 heirloom. ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**2771RO Royal Oakleaf OG** (50 days) The most attractive green oakleaf, recommended for market growers. Darker, larger and fancier than most other green oakleaf types. Our supplier calls it the "Rolls Royce of oakleaf lettuces." We agree. CCOF-certified. ③ **A**=1g, 90¢, **B**=2g, $1.70, **C**=4g, $3.00, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $32.00

**2773HO Hyper Red Rumple Waved OG** (50 days) If you are drawn to really deep red lettuces, consider Hyper. Selecting from a cross between Valeria, a very red cold-tolerant Lollo Rossa type, and Wavy Red Cos, an undulating savoyed red romaine, Frank Morton bred Hyper to accentuate the pigmentation and the ruffled appearance. The stunning-looking result tastes good with a pleasing texture. Holds for a while in July before succumbing to heat. Good cold tolerance. Resistant to X, SC, DM and tipburn. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

**New Red Fire** (51 days) Offered as a substitute for Red Sails in 1992, Fire gained a well-deserved popularity with commercial growers. Has Sails' characteristic ruffled leaves, similar though slightly lighter coloration, and good size. Best of all, it has been among the last to bolt in our lettuce patch, lasting as late as July 29! Also quite cold-hardy. Tender, sweet flavor with almost no bitterness. Seed from Japan.

**2774RF New Red Fire** ⑤ **A**=1g, 90¢, **B**=2g, $1.70, **C**=4g, $3.00, **D**=14g, $10.00, **E**=28g, $18.00, *not available in size K.*

**2775FO New Red Fire OG** OT-certified. ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.20, **D**=14g, $10.00, **E**=28g, $18.00, **K**=112g, $65.00

**Rossimo** (52 days) Our staff trialer calls it an ornamental kale look-alike. Spellbinds with its terrific bright red color in late June and early July. Even in a patch with 110 types of lettuce in variegated colors, its brilliant rich cherry-red crinkly-leaved open head really stood out! Grows slowly but tolerates heat fairly well.

**2779RM Rossimo** ② **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $2.80, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $30.00

**2780RO Rossimo OG** OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $11.00, **K**=112g, $35.00

**2783SB Slobolt** (53 days) Slow growth in its early stages is the key to Slobolt's success as a summer lettuce. A Grand Rapids-type with much paler green leaves than Waldmann's, Slobolt will hold well into July without bolting. Slobolt is versatile: one grower in New York reported good results growing it in winter under lights as well as in summer tightly spaced in the garden. Introduced 1946 by the USDA. ③ **A**=2g, 90¢, **B**=4g, $1.60, **C**=14g, $5.00, **D**=28g, $9.00, **E**=112g, $32.00, **K**=448g, $110.00

**2784FO Flashy Green Butter Oak OG** (54 days) Spectacular marriage of the quintessential oak leaf form with the speckling of the troutbacks. Not only beautiful but amazingly tasty, crunchy with a delightful buttery texture. This cross of Emerald Oak with Flashy Trout Back yields rich lime-green leaves with pronounced dark speckles. Truly lettuce as art form, with Frank Morton mixing texture, color, flavor and shape like a master. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

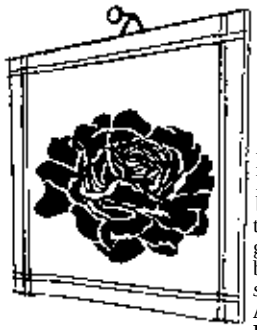
**2785TO Italienischer OG** (55 days) If Royal Oakleaf is the Rolls Royce of oakleaf lettuce, then Italienischer must be the Maybach (without the sticker shock!). Compared to Royal it was more vigorous with bigger outer leaves, a better taste and texture and less bitterness. Good, juicy and mild-flavored. Lettuce curator Mary Schultz describes it as "so big and beautiful." As with many of our favorite lettuces, we got the seed stock from her. Upright sturdy 18" bright green plants provide an incredible bounty of crisp delicious leaves. They can take some heat and are slow to bolt. Give these huge beauties plenty of space. Stellar NOP or OT-certified. ①② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $40.00

**2788MO Merlot OG** (32 days baby, 60 mature) William Woys Weaver believes that this lettuce is destined to become a classic. Wherever he has planted it in his garden "every single visitor has stopped to comment (and when my back has turned to pull off leaves to eat)." Always a standout in our trials, its intense burgundy color the richest we have ever seen. The Dutch company who bred it in Europe named it Galactic, but Cook's Garden trumped them by calling it Merlot. This merlot adds as much to your baby salad mix as a good wine adds to your dinner, providing incredible color, excitement and full-bodied flavor. Slow to grow, slow to bolt, plants never achieve much size or density, but are ideal for the baby leaf trade. Resistant to X, DM, SC and tipburn. OT-certified. ① **A**=1g, $1.30, **B**=2g, $2.40, **C**=4g, $4.50, **D**=14g, $15.00, **E**=28g, $28.00, **K**=112g, $100.00

**2791TO Tango OG** (45 days) Several commercial growers wanted this dance. Frilly green lettuce has been a standard in salad mixes and mesclun adding loft and interesting texture. Could be called the endive of lettuces for its deeply cut pointed leaves. The pleasant flavor, however, has none of endive's bitterness. Bolts readily in the hot summer, so plant accordingly if you want to grow to full maturity. In the western mountains of Maine, they celebrate the Last Tango of South Paris probably sometime in late June and start up the music again before September. **NEW!** OT-certified. ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $36.00

**2792RO Revolution OG** (48 days) You say you want a revolution? You might want to team this one up with our new hot pepper #**3755** Ho Chi Minh! Seriously, this is about as close to a revolution as we're ever gonna get unless our political climate changes about 180˚! Surely it is as rich a red lollo rossa type as anyone could ask for. The intensely colored deeply frilled 10-12" leaves are thick and crunchy. And this Revolution can hold a very long time before the hot summer sun brings about the reaction. Long before then you should guillotine it with your garden shears or cutting knife. **NEW!** OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $12.00, *not available in size K.*

## CUTTING LETTUCE



**2793MN Monet** (53 days) Shortly after arriving in Giverney, French impressionist Claude Monet (1840-1926) had his gardeners replace the hedges with flower gardens. I wonder how he would have depicted our lettuce trials after I allowed volunteer red amaranth, sweet annie and carnation poppies to intersperse with the lettuces. His namesake in the lettuce patch looks more like a frisée endive than a lettuce, but that's not surprising because Petoseed bred Monet's deeply indented curly green crisp textured leaves to be cut for mesclun. Although plants grow 7-8", don't let the leaves go unsnipped too long because this Monet will bolt in heat. *We have enough seed of this Seminis variety to carry into 2008.* ⑥ **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $7.00, **E**=28g, $12.00, **K**=112g, $36.00

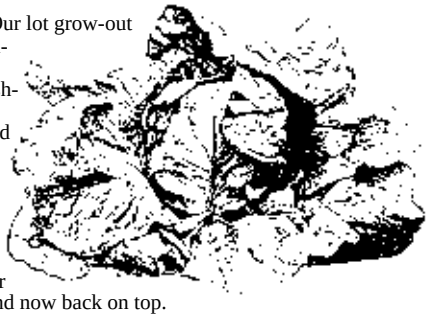
**2796LR Lollo Rossa** (58 days) Frizzy foliage is light red on top, light green at base, melding into an eye-catching display. Very cold hardy. Can be used to accent or garnish salads, or as an ornamental. Quite the rage in gourmet restaurants; a mainstay of our mesclun. This strain is not quite as colorful as several others we've grown, but it is milder, less bitter, and much slower to bolt. Introduced 1987 by Royal Sluis. ③ **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $2.80, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $30.00

## BIBB and BUTTERHEAD

**2803TT Tom Thumb** (46 days) Miniature butterhead type which makes a small tightly bunched head early. Outer leaves light-medium green, centers creamy white with a pleasant buttery taste. Very attractive for early markets. Can be spaced quite closely as the heads seldom exceed 5" in diameter. William Woys Weaver has untangled its knotted history. It was introduced in England by H. Wheeler & Sons in 1858 and came to the States ten years later courtesy of James J.H. Gregory. ②③ **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**2805BM Bronze Mignonette** (46 days) This small ruffled bronze-tinged butterhead captivated me in the trials. Because Mignonette is only slightly larger than Tom Thumb, it is ideal for baby vegetable enthusiasts. Peter Henderson named and marketed it to several seed houses around 1898. ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**Buttercrunch** (50 days) Our lot grow-out manager calls it "the cucumber of lettuce, smooth and soothing with a green refreshing flavor." A 1963 All-America selection developed by Dr. G.L. Raleigh at Cornell University. Dark-green outer leaves with creamy center heart. Slow to bolt. Our best-selling lettuce for fifteen consecutive years from 1982-96, overtaken for a few years by Red Sails, and now back on top.

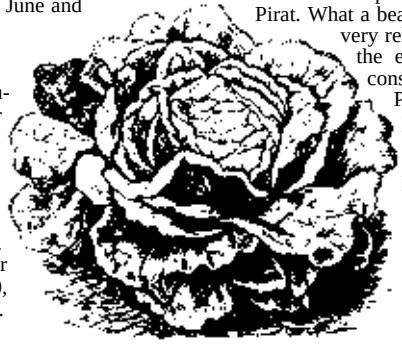


**2811BU Buttercrunch** ② More vigorous in our grow-out than the OG strain, but flavor not as delicate. ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**2812BO Buttercrunch OG** CCOF-certified. ③ **A**=2g, 90¢, **B**=4g, $1.50, **C**=14g, $2.60, **D**=28g, $4.00, **E**=112g, $10.00, **K**=448g, $24.00

**2816WM Winter Marvel** (52 days) Polly Gottesman of Pumpkin Ridge Gardens, North Plains, OR, writes, "Here in Zone 7 Winter Marvel is bar-none the best over-wintering lettuce we grow.…We start harvesting outer leaves for salad mix in December…they continue producing without bolting through March." A large fancy light green butterhead recommended for fall production and over-wintering where the climate permits. Grows rapidly, but bolts readily in summer heat. If you are sowing in spring for an early summer butterhead, be aware that the harvesting window is very narrow. An old European variety. ③ **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $12.00

**2828PO Pirat OG** (55 days) From Germany, also known as Sprenkel and Brauner Trotzkopf. "The star of the season, without question, was Pirat. What a beautiful lettuce! Very good bolt resistance for us, very reliable. We harvested it at a smaller size through the end of July and August but the quality was consistently high," reports Sara Stahl of Rockwood, PA. Elegant green butterhead with light brown pebbling. Heads like loose large softballs at perfect stage. Has a delicious smooth taste with creamy texture, and holds well except in prolonged wet spells. Pirat descended from Merveille des Quatre Saisons but is much more bolt resistant. OT-certified. ①② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $11.00, **K**=112g, $35.00



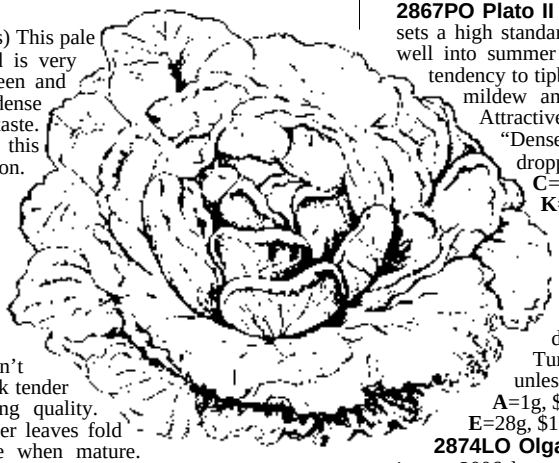
**2831SO Speckled Amish OG** (55 days) An ornamental bibb of spectacular beauty, its apple-green leaves splashed with maroon flecks. Will be a stunner in your garden or your salad. Flavor is mild. Makes small firm heads shaped like Merveille des Quatre Saisons, centers with soft leaves blanching creamy yellow. Mennonites brought seed in a covered wagon from Lancaster County, PA, to Ontario in 1799. Introduced into commerce in 1880 as Golden Spotted. Frank Morton, who got the stock seed from the Seed Savers Exchange, has been selecting to alleviate tipburn. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00

**2834VO Sweet Valentine OG** (56 days) A real sweetheart of a lettuce, Valentine combines magnificent beauty with a mild sweet taste. Beginning as a large spreading bronzed butterhead with rounded veined leaves, Valentine evolves into a romaine shape. Has been very slow to bolt even in hot dry conditions. Flavor is more delicate, soothing and less bitter before it assumes Romaine configuration. One of my favorites. OT-certified. ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $16.00, **K**=112g, $50.00

**2839KS Kagraner Sommer** (58 days) Makes elegant pale green heads of exceptional quality. Its real claim to fame is its reluctance to bolt even in midsummer heat. ③ **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**Esmeralda** (60 days) We have dropped this Seminis/Monsanto variety. *Not available in 2007.*

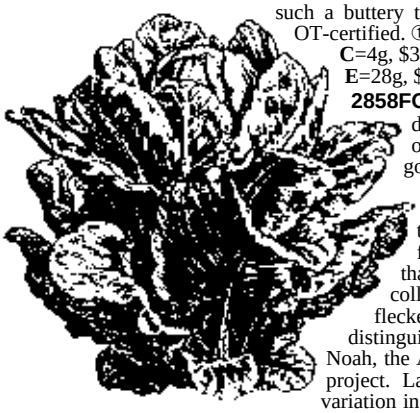
**2847KO Kinemontpas OG** (60 days) This pale green butterhead grows enormous and is very slow to bolt even in heat. Darker green and larger than Kagraner Sommer, with a dense buttery texture and pleasing mellow taste. Lettuce collector M. Schultz brought this classic French heirloom to our attention. CCOF-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $11.00, **K**=112g, $35.00



**2849WD Winter Density Bibb/ Romaine** (60 days) Also known as Craquerelle du Midi, a French heirloom from the 19th century. Is it a bibb lettuce or a romaine? Doesn't matter, any way you look at it, its thick tender dark green leaves have superb eating quality. Starts out looking like a bibb. Wrapper leaves fold tightly, form a head like a romaine when mature. Combines the substance of romaine with the tender succulence of bibb. ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $12.00

## ROMAINE and COS

**2854BO Blushed Butter Cos OG** (49 days) Here is a combination butterhead/romaine with ruffled savoyed leaves dappled in an attractive palette of reds and greens. Best of all, Butter Cos was judged to be #1 for taste out of more than 100 lettuces in our 1996 trial. Remarkably crisp for such a buttery taste. A Fedco introduction. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00



**2858FO Forellenschluss OG** (56 days) Also known as Freckles or Trout Back, an absolutely gorgeous romaine with the delicate taste and texture of a butterhead. No wonder it is the Seed Savers Exchange's favorite lettuce of the more than 900 varieties in their collection! Deep green leaves flecked with wine-red splotches distinguish this heirloom, from Arche Noah, the Austrian genetic preservation project. Lately we've seen increasing variation in the coloration and degree of splotching. William Woys Weaver has traced Forellenschluss back to 1793, finding that it was a dwarf variety of Spotted Aleppo developed in Germany. More upright and cup-shaped than #**2831** Speckled Amish, with larger and darker splotches, and better heat tolerance. Just about the best-tasting of the 50 lettuces in our 1998 trial. Very buttery tender leaves may be harvested at the 4-6" stage for mesclun or allowed to grow full size for maximum ornamental benefit. We sell more than 1,200 packets per year. CCOF-certified. ③ **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $5.00, **E**=28g, $8.00, **K**=112g, $25.00

**2859MR Majestic Red** (60 days) Fancy savoyed rich bronze-red leaves make Majestic positively gorgeous. Cylindrical "head" has somewhat spreading habit. One of the slowest-bolting romaines in our trial and much in demand in recent years. Developed by Sunseeds. ② **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $3.00, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $20.00

**2861JO Jericho OG** (60 days) If the walls are tumbling down on your summer lettuce, you might want to try Jericho, bred in Israel's hot dry climate to stand high temperatures. Jericho is an imposing Romaine. Under fertile conditions it can grow dense 2' tall heads of light green sword-shaped upright leaves weighing several lbs. Yet it remains crisp, juicy and unusually sweet. Ours was without tipburn even in late July and resisted bolting until July 24. Recommended by several customers in warmer regions. Our best-selling new variety in 2004, especially esteemed by commercial growers. Agrior-certified. ③ **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $45.00

**Rouge d'Hiver** (65 days) This is true Rouge d'Hiver, black-seeded, with much deeper red outer-leaf coloration than the merely tinged #**2872** Brune. Inner leaves are green with deeply bronzed tip, an attractive color combination which commands attention. Forms a semi-open romaine head with excellent flavor, especially in cold weather. Develops pronounced bitterness in summer heat. *Hiver* means "winter" and both Brune and Rouge are more suitable for fall production or overwintering than for summer. French heirloom from the 1840s listed by Vilmorin in 1885.

**2865RH Rouge d'Hiver** ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $2.00, **D**=28g, $3.00, **E**=112g, $6.00, **K**=448g, $18.00

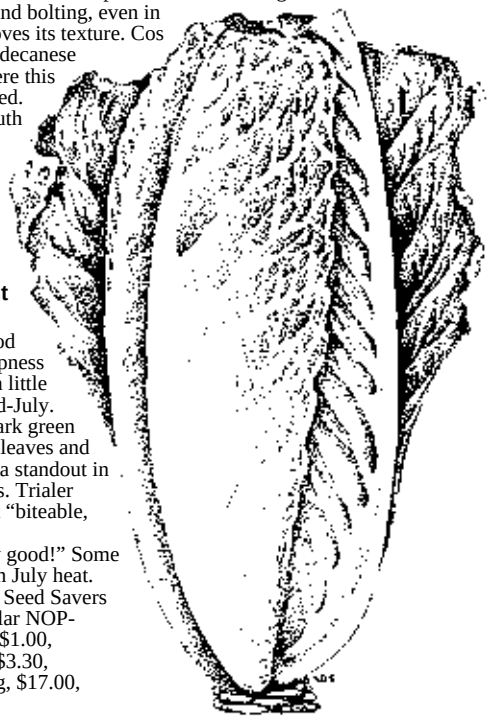
**2866RO Rouge d'Hiver OG** Better flavor and color than the conventional strain in our grow-out. CCOF-certified. ③ **A**=2g, 80¢, **B**=4g, $1.50, **C**=14g, $2.80, **D**=28g, $4.00, **E**=112g, $7.00, **K**=448g, $20.00

**2867PO Plato II OG** (65 days) A lettuce fit for a philosopher-king, Plato sets a high standard for sweet taste in romaine lettuce, holding its quality well into summer without bitterness (except in the ribs), bolting or any tendency to tipburn. Frank Morton also found it more resistant to downy mildew and Sclerotinia than any of his other green romaines. Attractive dark green slightly ruffled heavily veined leaves. "Dense. A box filler," says Morton, who wonders why Seminis dropped it. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $11.00, **K**=448g, $35.00

**2872BO Brune d'Hiver OG** (65 days) A nineteenth-century French heirloom, white-seeded Brune features broad flat pale green leaves tinged with bronze at the tips, somewhat redder in cold weather. (Rouge d'Hiver has much redder leaves.) Of striking appearance and very delicious as an early crop. Keep moist to retard bolting. Turns bitter in excess heat. This is the last year we will carry unless sales improve dramatically. OT-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $7.00, **E**=28g, $12.00, **K**=112g, $40.00

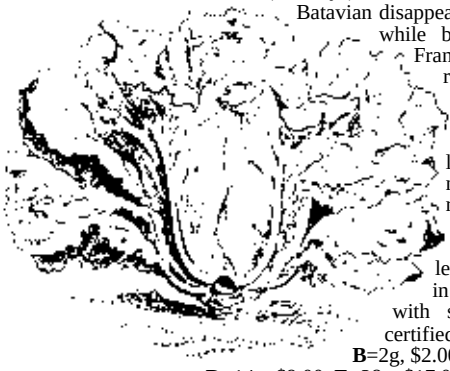
**2874LO Olga OG** (66 days) Elegant lime-green Olga won our hearts in our 2006 lettuce trials. Big upright 8" oval heads with big hearts, big flavor, and slightly fringed leaves. So sweet, crisp and buttery that breeder Frank Morton thinks she must have some butterhead in her background. She stood considerable heat before developing some slight tipburn and bitterness in August. **NEW!** OT-certified. ① **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00

**2879PI Parris Island Cos** (68 days) The standard market romaine developed by Clemson University and the USDA in 1952. Upright heads 8-9" tall fold inward to form compact center. Interior greenish-white. Resistant to tipburn and bolting, even in heat. Irrigation improves its texture. Cos is an island in the Dodecanese region of Greece where this type lettuce was named. Parris Island is in South Carolina. ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00



**2883CO Crisp Mint OG** (70 days) Also known as Erthel. Good size, exceptional crispness and sweet flavor with little bitterness even in mid-July. This long-standing dark green romaine with ruffled leaves and open plant habit was a standout in two consecutive trials. Trialer Heron Breen found it "biteable, chewy, with a great texture…surprisingly good!" Some tendency to tipburn in July heat. Seed comes from the Seed Savers Exchange. IA or Stellar NOP-certified. ②① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $55.00

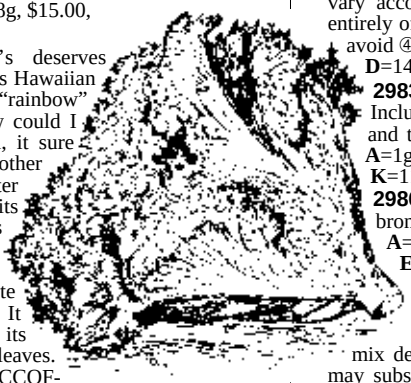
## BATAVIAN



**2905DO Cardinale OG** (48 days) This alluring wine-red European Batavian disappeared from commerce for a while before being rescued by Frank Morton. And a worthy rescue it was, for Cardinale is a classic both for baby leaf and full head production. Looks a little like a butterhead x romaine cross, as the open rosettes fold together like a romaine in the center at full maturity. Shiny red leaves on the outside, green in the center, crisp and juicy with some heft. **NEW!** OT-certified. ① **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.30, **D**=14g, $9.00, **E**=28g, $17.00, **K**=112g, $60.00

**2910MO Michelle OG** (52 days) One reason to make Michelle your belle is that she was absolutely the last to bolt in our observation plot, still standing on Aug. 12 even after a miserable heat wave. She is also very reluctant to tipburn. Almost a dead ringer for Sierra which she replaced, Michelle is a red Batavian type mostly green in the summer with more tinges of red in the cool temperatures of spring and fall. Delicious without the faintest hint of bitterness, and very crunchy. When she was cut in summer, Michelle coppiced for one of our trialers and regrew an impressive "head." CCOF-certified. ③ **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $8.00, **E**=28g, $15.00, **K**=112g, $55.00

**2919PB Pablo** (68 days) Pablo bears a superficial resemblance to a red iceberg with much the same allure, but is a Batavian, not a crisphead. Its larger plants form looser heads of beautiful upright rosettes surrounded by wide wavy-edged flat leaves. Bronze coloration on the outside leaves contrasts strongly with the green interiors lending a striking metallic sheen. Slow-growing, very sweet and mild with some bitterness in the ribs and extremely heat resistant. Always one of the last five to bolt in my extensive lettuce trials. Lovely enough to stand as an ornamental, but also one of the best-tasting in the patch. From Seed Savers Exchange. ② **A**=1g, 90¢, **B**=2g, $1.60, **C**=4g, $2.80, **D**=14g, $8.00, **E**=28g, $15.00, **K**=112g, $55.00

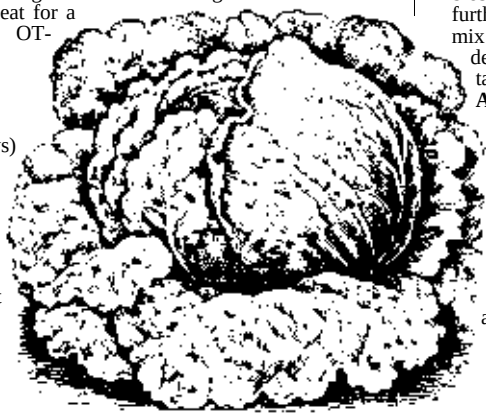


**2921NO Anuenue OG** (72 days) Johnny's deserves credit for popularizing Anuenue. Its mellifluous Hawaiian name (pronounced ah-new-ee-new-ee) means "rainbow" even though it is a uniform dark green. How could I have overlooked Anuenue for so long? Well, it sure doesn't look like much in June when most other lettuce is in full glory, but as the days get shorter and the heat gets stronger it really comes into its own. In late July and even early August, this 1987 product from the University of Hawaii has no peers for crispness and sweetness, and I will never again be without it for first-rate midsummer salads. Slow growth is its secret. It remains compact as it matures, surrounding its round tightly-packed heart with crisp outer leaves. There is never the faintest hint of bitterness. CCOF-certified. ① **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.00, **D**=14g, $8.00, **E**=28g, $15.00, **K**=112g, $55.00

## CRISPHEAD or ICEBERG

According to Vaugan's 1904 catalog, Iceberg gets its name from the small indentations in the leaves which are constantly filled with dewdrops giving them a crystalline appearance.

**2923RO Red Iceburg OG** (63 days) A much more reliable header than Rosa, which it replaces. Otherwise, has the same burgundy exterior coloration, compact medium-sized heads, and pleasing sweet flavor that make it an attractive alternative to green iceberg. Interiors shade to green. Heads resist getting soft and mushy in the heat for a relatively long time. **NEW!** OT-certified. ② **A**=1g, $1.00, **B**=2g, $1.80, **C**=4g, $3.30, **D**=14g, $8.00, **E**=28g, $15.00, **K**=112g, $55.00



**2925SU Summertime** (70 days) An iceberg that keeps its head in the heat! Summertime is an Oregon State University release with uniform compact dense medium-sized heads of excellent flavor. Harvest iceberg well into July with Summertime. Resistant to tipburn. ②③ **A**=1g, 90¢, **B**=2g, $1.70, **C**=4g, $3.00, **D**=14g, $6.50, **E**=28g, $10.00, **K**=112g, $36.00

**2931WW Webb's Wonderful** (72 days) Introduced 1890 by Clarence Webb in England. Came to us via M. Schultz' lettuce collection. Webb's remarkable large-veined lightly savoyed dark-green leaves slowly form a very large crisphead with an exceptional buttery mild flavor reminiscent of the butterheads. Stands heat well, bolts reluctantly, never gets bitter. A delicious grazing lettuce. I start harvesting leaves long before heads form. ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $12.00

**Rosa OG** (74 days) Replaced by Red Iceberg. *Not available in 2007.*

## MIXES

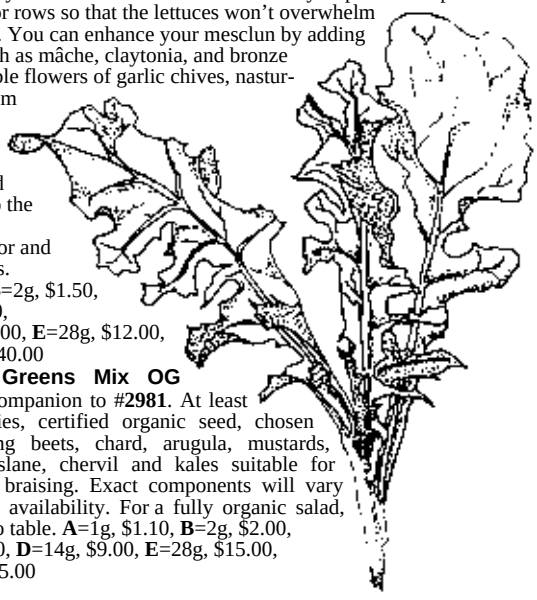
**2980LM Lettuce Mix** A mixture of lettuces with glorious contrasts of reds and greens and different leaf forms to create a beautiful patch. Components may vary, but all will be suitable for cut-and-come-again culture. **A**=1g, 80¢, **B**=2g, $1.50, **C**=4g, $2.50, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $30.00

**2981LO Lettuce Mix OG** This glorious collection will light up your salad patch with contrasting colors and leaf forms. At least a half-dozen different lettuces, all suitable for cut-and-come-again culture. Exact components will vary according to availability but this is a high quality mix consisting entirely of certified-organic seed. For certified growers and folks wishing to avoid ④,⑤ and ⑥ suppliers. **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.50, **D**=14g, $9.00, **E**=28g, $15.00, **K**=112g, $55.00

**2983MM Mustard Mix** The same mix found in our Mesclun (#**2992**). Includes mizuna, chervil, endives, sorrel, Red Giant mustard, arugula, and tatsoi. We may substitute one or two other varieties if necessary. **A**=1g, 80¢, **B**=2g, $1.50, **C**=4g, $2.50, **D**=14g, $6.00, **E**=28g, $10.00, **K**=112g, $30.00

**2986SM Summer Lettuce Mix** A special selection of red, green and bronze lettuce varieties that will stand into late July without bolting. **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.50, **D**=14g, $9.00, **E**=28g, $15.00, **K**=112g, $55.00

**2992ME Mesclun** Once an exotic term from Provence meaning "mix," now 'Mesclun' is a word in every American market growers' vocabulary. Ours consists of two packets: the lettuce mix described in #**2980**, and the mustard mix described in #**2983**. We may substitute one or two varieties if necessary. Harvest these greens by cutting them with scissors. They will grow back, though you will need to water them in dry conditions. We recommend that you plant each packet in adjoining beds or rows so that the lettuces won't overwhelm the other greens. You can enhance your mesclun by adding other greens such as mâche, claytonia, and bronze fennel. Add edible flowers of garlic chives, nasturtiums, violas, gem marigolds, borage, and mustard blossoms to lend further appeal to the mix by creating delectable color and taste contrasts. **A**=1g, 80¢, **B**=2g, $1.50, **C**=4g, $2.50, **D**=14g, $8.00, **E**=28g, $12.00, **K**=112g, $40.00



**2993GO Greens Mix OG** Versatile companion to #**2981**. At least five varieties, certified organic seed, chosen from among beets, chard, arugula, mustards, orachs, purslane, chervil and kales suitable for mesclun or braising. Exact components will vary according to availability. For a fully organic salad, from seed to table. **A**=1g, $1.10, **B**=2g, $2.00, **C**=4g, $3.50, **D**=14g, $9.00, **E**=28g, $15.00, **K**=112g, $55.00

# Open-pollinated GREENS

When to harvest greens? Research from trials conducted in England and Kenya showed looseleaf lettuce, red chard and arugula harvested in the evening had a longer shelf life than leaves picked in the morning.

## AMARANTH *Amaranthus spp.*

**1/16 oz packet=1,560 seeds, 1 oz. 25,000 seeds.** Amaranth was an extremely important food of the Aztecs, one of their principal five crops. They ground puffed seeds into flour and prepared sauces with the leaves. Amaranthus grain has 16-18% protein. The leaves have three times more vitamin C, 10 times more carotene, 15 times more iron and 40 times more calcium than tomatoes and 3 times more vitamin C, calcium and niacin than spinach leaves. See #**5011** and #**5013** for more amaranths.

**3008HO Hopi Red Dye OG** (46 days) *A. cruentus* Hopi was the best of the nine amaranths in our trial, displaying the deepest of burgundies. Stately plant grows up to 6' with a 1-2' inflorescence. Eat the young leaves in salads or slightly steamed, admire them young or old. The tiny black seeds are also edible, used in breakfast cereal to accentuate the taste and fragrance of honey. The Hopis make a scarlet food dye from the flower bract to color their ceremonial *piki* bread. Yanna Fishman of Union Mills, NC, suggests using Hopi in your floral arrangements. "When added to a flower bouquet it makes an ordinary clear jar look like an elegant purple-tinted vase as it colors the water." MOFGA or BSO-certified. ① **A**=1/16oz, $1.10, **B**=1/8oz, $2.00, **C**=1/2oz, $5.00, **D**=1oz, $8.00, *not available in larger sizes.*

**3012TC Tricolor** (50 days) *A. tricolor* Could easily be listed with everlastings for the tall purplish-red seed spires which it sends up late in the summer. Its young round green leaves overlaid with burgundy add colors to salads. Flavor is somewhat like pigweed. ② **A**=1/16oz, $2.00, **B**=1/8oz, $4.00, **C**=1/2oz, $15.00, **D**=1oz, $28.00, **E**=4oz, $100.00, *not available in size K.*

## ARUGULA

**1/16 oz packet sows 60 ft, 1 oz 960 ft.** See also #**3193**.

**Arugula** (47 days) *Eruca sativa* Also known as Roquette or Rocket. Musky green and its piquant blossoms will spice up your salad. Much better when grown for fall crop, as will bolt readily in heat. A prime ingredient in tangy mesclun mixes. Frequent watering will reduce its pungency. Few people are indifferent to arugula: most of us love it, a few despise it. Little known 15 years ago, it is now so popular that we order it in 50-pound bags! A favorite of commercial growers who bought 115 K-size packets last year plus 185 lb. in bulk.

**3022AR Arugula** The best-tasting and most bolt resistant of the 11 strains we trialed in 2006. ② **A**=1/16oz, 60¢ (~820 seeds), **B**=1/8oz, $1.00, **C**=1/2oz, $1.50, **D**=1oz, $2.50, **E**=4oz, $4.00, **K**=1lb, $13.00

**3023AO Arugula OG** Very mild strain. CCOF or QAI-certified. ②③ **A**=1/16oz, $1.00 (~820 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.00, **D**=1oz, $4.00, **E**=4oz, $7.00, **K**=1lb, $24.00

**3027SY Sylvetta Arugula** (50 days) *Diplotaxis arucoides* Also known as Rucola Selvatica, a must for extraordinary cold-season salads. Eva Sommaripa first brought this wild form of arugula with very deeply lobed leaves to our attention. Slower growing, smaller and more pungent than regular arugula. Although we sometimes have germination difficulty when we direct-seed Sylvetta, we have had great luck with it as a greenhouse potted plant. Only about half the height of regular arugula, it does not require an enormous pot. Moreover, it is more heat tolerant and much more cold hardy than regular arugula. Not surprisingly Eliot Coleman lists it as one of his winter staples in the *Winter Harvest Manual* (#**9877**). ② **A**=1/16oz, $1.10 (~7600 seeds), **B**=1/8oz, $2.10, **C**=1/2oz, $5.00, **D**=1oz, $9.00, **E**=4oz, $25.00, **K**=1lb, $70.00

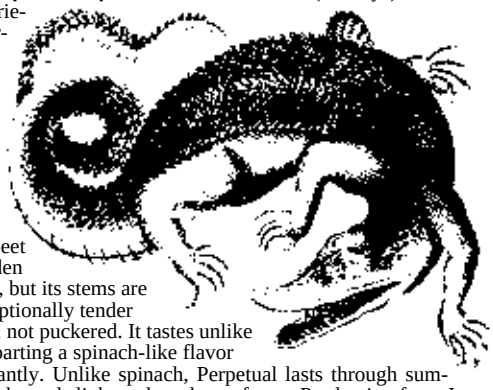
## CHARD *Beta vulgaris (cicla group)*

**1/16 oz packet sows 5-13 ft, 1 oz plants 80-200 ft.** Hardy. Salzer's 1915 catalog opines, "Swiss chard produces more food for the table than almost any other vegetable and it also requires less care; it yields a constant crop from July to winter."

**3031FG Fordhook Giant** (50 days) Broad white stems, leaves dark green and savoyed with white veins. The standard variety, introduced by Burpee in 1934. Strains of green swiss chard have been around since 1750. ② **A**=1/16oz, 60¢, **B**=1/8oz, $1.00, **C**=1/2oz, $1.50, **D**=1oz, $2.40, **E**=4oz, $4.50, **K**=1lb, $12.00

**3033AR Argentata** (55 days) Vigorous long-standing 2-3' plants tolerate a wide variety of weather conditions. Broad silvery-white midribs have a crispy sweet succulence missing from other chards and none of that oxalic aftertaste so common in other varieties. The deep green savoyed leaves also impart a mild clean flavor. A great substitute for spinach in omelettes, pasta dishes and other casseroles. ② **A**=1/16oz, 90¢ (~90 seeds), **B**=1/8oz, $1.60, **C**=1/2oz, $3.00, **D**=1oz, $5.00, **E**=4oz, $15.00, **K**=1lb, $50.00

**3034PS Gator Perpetual Spinach** *or* **Leaf Beet** (55 days) Our new supplier calls the variety Gator, but it is virtually identical to what we have been selling all along. Thanks to Pam Dawling of Twin Oaks Community Garden (VA) who suggested we add this member of the chard family. Leaf beet looks similar to garden variety swiss chards, but its stems are thinner, and its exceptionally tender leaves are smoother, not puckered. It tastes unlike any other chard, imparting a spinach-like flavor which lingers pleasantly. Unlike spinach, Perpetual lasts through summer into fall as it withstands light and moderate frosts. Production from June to October reports one Central Vermont grower. Dawling calls it a "must-grow." ② **A**=1/16oz, 80¢ (~130 seeds), **B**=1/8oz, $1.40, **C**=1/2oz, $2.20, **D**=1oz, $4.00, **E**=4oz, $8.00, **K**=1lb, $25.00



**3036BL Bright Lights** (56 days) Johnny's Selected Seeds won its second All-America award for making swiss chard commercially available in a rainbow of colors. Bright Lights bathes stems, midribs and secondary veins in a panoply of gold, yellow, orange, pink, intermediate pastels and dazzling stripes. The AAS judges were impressed by the tenderness of its dark-green to bronze leaves and the mildness of its chard flavor. Young seedlings respond to cut-and-come-again culture, ideal for mesclun. Bright Lights was developed by John Eaton of Lower Hutt, New Zealand, who found the parent plants, a red one and a yellow one, in a small home garden in 1977 and crossed them to standard green and white varieties, selecting for color and flavor over the next fifteen years. Johnny's worked the following years to preserve the strength and range of the individual colors. Now by far our most popular chard with annual sales almost up to 80 lb. ③ **A**=1/16oz, $1.00 (~55 seeds), **B**=1/8oz, $1.80, **C**=1/2oz, $3.20, **D**=1oz, $5.50, **E**=4oz, $16.00, **K**=1lb, $60.00

**3038GO Golden Chard OG** (56 days) The gold standard in chard and a first-rate ornamental edible. Here is a rare color in chard, the most beautiful and one of the tastiest. Large light green semi-savoyed leaves with bright golden yellow stems and veins. The yellow morphs to striking luminescence as the plant matures. This heirloom was developed in the 1830s when it was originally known as Chilean beet. CCOF or OT-certified. ①③ **A**=1/16oz, $1.00, **B**=1/8oz, $1.80, **C**=1/2oz, $3.20, **D**=1oz, $5.50, **E**=4oz, $16.00, **K**=1lb, $60.00

**3040RR Ruby Red Rhubarb** (59 days) Deep crimson stalks, dark-green leaves. Very hardy. Beautiful for edible landscapes. Heirloom from Europe goes back to 1857. ② **A**=1/16oz, 60¢ (~160 seeds), **B**=1/8oz, $1.00, **C**=1/2oz, $1.60, **D**=1oz, $3.00, **E**=4oz, $6.00, **K**=1lb, $16.00

**3041RO Rhubarb Supreme OG** (59 days) An improved strain of Ruby Red developed by John Navazio incorporating horizontal resistance to CLS and DM. Truer red color than the standard with no white or pink striping and less tendency to bolt. The best rhubarb chard in our trials. **NEW!** OT-certified. ② **A**=1/16oz, $1.00, **B**=1/8oz, $1.80, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $22.00, **K**=1lb, $80.00

## CHERVIL *Anthriscus cerefolium*

**Chervil** (60 days) Greek nobles referred to it as *khairephyllon*, or "leaf of joy," and carried sprigs to bless their friends. Superior slow-bolting strain of this annual grows vigorously. Delicate lacy leaves with distinct flavor good in soups, with fish or asparagus. Essential ingredient in mesclun. Direct seed before a rain in early spring or summer in rich well-drained soil with light but constant moisture. Leaves are ready to harvest 6-8 weeks after sowing. In warmer locations performs best as a fall crop.

**3044CH Chervil** ② **A**=1/16oz, 60¢ (~770 seeds), **B**=1/8oz, $1.00, **C**=1/2oz, $1.60, **D**=1oz, $3.00, **E**=4oz, $6.00, **K**=1lb, $20.00

**3045CO Chervil OG** BSO or OT-certified. ① **A**=1/16oz, $1.00 (~770 seeds), **B**=1/8oz, $1.80, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $22.00, **K**=1lb, $80.00

## CHICORY
*Chicorium intybus*

"Your catalog is just like a treasure hunt. I've found gems."

**3046DC Della Catalogna** (49 days) Deep green serrated leaves resemble dandelions, and taste agreeably bitter, somewhat like escarole. These greens are customarily braised or chopped, steamed and sautéed in olive oil. ② **A**=0.5g, $1.20 (~305 seeds), **B**=1g, $2.00, **C**=2g, $3.00, **D**=8g, $4.00, **E**=16g, $6.00, **K**=32g, $10.00

**3048PZ Pan di Zucchero** (80 days) Open-pollinated heirloom. The name means "sugar loaf" in Italian. If you associate chicory with bitterness Pan di Zucchero will surprise you. It stood out from the four dozen others in chicory expert Lucie Arbuthnot's fields. In her kitchen, it was delicious. Its 1' tall large tight light-green leaves are shaped like a romaine lettuce crossed with a Napa cabbage. High yielding, best as a fall crop. Will store well for three months and survive for four if you wrap it tightly in slightly damp newspaper and keep it in a cold (just above freezing) spot. Lucie compares it to witloof chicory, but without all the extra work. ② **A**=0.5g, $1.20 (~235 seeds), **B**=1g, $2.00, **C**=2g, $4.00, **D**=8g, $7.00, **E**=16g, $12.00, **K**=32g, $20.00

## CLAYTONIA *Montia perfoliata*

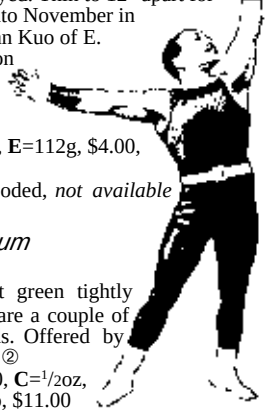
**½ g packet sows 3 ft. Direct seed in spring, 24 per ft.** Thin to 3" apart. Responds to cut-and-come-again culture and tolerates moderate frosts. For best quality, make at least one succession planting.

**3049CL Claytonia** (40 days) Also known as Winter Purslane and Miner's Lettuce, it was the '49ers green of choice. Claytonia's small heart-shaped leaves have a mild but succulent taste which we find attractive. We add it regularly to our mesclun. ③ **A**=0.5g, $1.20 (~80 seeds), **B**=1g, $2.20, **C**=2g, $4.00, **D**=8g, $8.00, **E**=16g, $13.00, **K**=32g, $22.00

## COLLARDS *Brassica oleracea (acephala group)*

William Woys Weaver says that the term collard is a corruption of colewort. Coleworts were kales or small cabbages in their leafy state before heading. See also #**3195**.

**3051CH Champion** (60 days) Rich dark Vates strain selected to stand longer. Resembles kale, but not savoyed. Thin to 12" apart for good size. Best as a fall crop. For greens into November in northern New England. On the Cape, Lillian Kuo of E. Orleans, MA, was still harvesting Champion the 2nd week of February without protection. Our southern friends enjoy the greens all winter. ② **A**=2g, 60¢ (~665 seeds), **B**=4g, $1.00, **C**=14g, $1.80, **D**=28g, $2.50, **E**=112g, $4.00, **K**=448g, $12.00



**Cascade Glaze OG** (60 days) Crop flooded, *not available this year.*

## CRESS *Lepidium sativum*

**1/16 oz packet sows 50-70 ft., 1 oz 800-1,000 ft.**

**3053CC Curly Cress** (20 days) Bright green tightly ruffled leaves can be cut as soon as they are a couple of inches tall. Peppery flavor enlivens salads. Offered by C.P. Hirschy for a nickel a packet in 1890. ② **A**=1/16oz, 60¢ (~570 seeds), **B**=1/8oz, $1.00, **C**=1/2oz, $1.50, **D**=1oz, $2.50, **E**=4oz, $5.00, **K**=1lb, $11.00

**3056WO Wrinkled Crinkled Crumpled Cress OG** (30 days)

Salad green that will impress.
Mix some lettuce, add some dress.
Stir it up, sit down and fress.
Banish cares and summer stress.

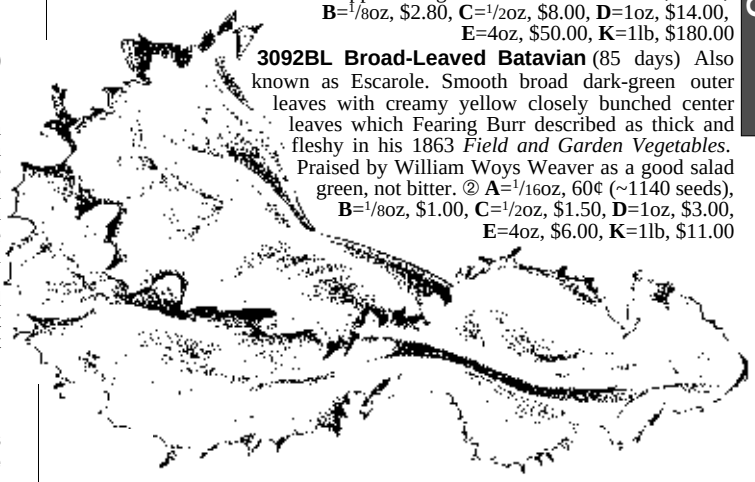
With a designer's eye, a discerning palate, and a breeder's deft touch, Frank Morton crossed Persian and curled cresses to create a gene pool, from which he selected Wrinkled Crinkled. Broad leaves are extremely ruffled and wrinkled along the margins and savoyed in the middle. A fluffy spicy addition to your salad mix, imparting a tang, plus an irresistible sweetness that lingers. Can be bunched for market. OT-certified. ① **A**=1/16oz, 90¢ (~850 seeds), **B**=1/8oz, $1.60, **C**=1/2oz, $3.50, **D**=1oz, $6.50, **E**=4oz, $16.00, **K**=1lb, $52.00

**3058WC Watercress** *Nasturtium officinale* Hardy perennial native to Europe. Start seeds indoors and transplant to cold frame, keeping watered, or direct sow in soggy stream bank. Also a good pot plant. Likes sunshine. Keep picked; it gets bitter if flowers are allowed to form. Use in salads and soups; rich in vitamins and minerals. According to University of Connecticut researchers, watercress contains a compound that inhibits numerous types of cancers. ③ **A**=0.25g, 90¢ (~1375 seeds), **B**=1g, $2.20, **C**=14g, $5.50, **D**=42g, $15.00

## ENDIVE *Cichorium endivia*

**1/16 oz packet sows 40 ft, 1 oz 650 ft.** See also #**6418**.

**3063FO Très Fine Maraîchère Olesh OG** (42 days) Ann Elder reports that TFM has changed her CSA members' minds about whether they like endive. "Wow, an endive that is sweet. Almost unheard of." Large frizzy endive with very fine ribs suitable for late spring and early summer harvests. Known to chefs as frisée. 19th century French heirloom. Not true-to-type in our lot growout. *If you ordered last year and did not get frisée, request a free replacement packet with your order.* This is a new strain; we have switched suppliers. Agrior-certified. ③ **A**=1/16oz, $1.50, **B**=1/8oz, $2.80, **C**=1/2oz, $8.00, **D**=1oz, $14.00, **E**=4oz, $50.00, **K**=1lb, $180.00



**3092BL Broad-Leaved Batavian** (85 days) Also known as Escarole. Smooth broad dark-green outer leaves with creamy yellow closely bunched center leaves which Fearing Burr described as thick and fleshy in his 1863 *Field and Garden Vegetables*. Praised by William Woys Weaver as a good salad green, not bitter. ② **A**=1/16oz, 60¢ (~1140 seeds), **B**=1/8oz, $1.00, **C**=1/2oz, $1.50, **D**=1oz, $3.00, **E**=4oz, $6.00, **K**=1lb, $11.00

## GOOSEFOOT *Chenopodium bonus-henricus*

**3096KH Good King Henry** Perennial, Zone 3-9, used as a potherb. Also known as Lincolnshire Spinach. Cultured, harvested and prepared much like asparagus and considered a great delicacy. Gather shoots while they are still tender at about 5" high, peel and boil, or harvest the dark green arrow-shaped leaves like spinach. One of the first greens of spring and one of the last of fall. Prefers rich soil in semi-shady areas, though will grow in full sun. Ancient plant used in festive meals, in meat dishes and as a side dish, was very popular in sixteenth century England. Vilmorin in 1885 devoted almost a page to its culture and uses. Seeds should be stratified. Direct sow in spring or fall or transplant very young seedlings in spring. Once established the plants don't bear transplanting. Like asparagus, requires a year of growth before plants can be harvested. If left uncut, stalks grow to 2½'. ② **A**=0.5g, $1.10 (~80 seeds), **B**=1g, $2.00, **C**=2g, $3.50, **D**=8g, $12.00

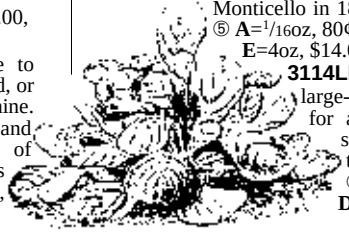
## SEA KALE *Crambe maritima*

**3099SK Sea Kale** (perennial, probably Zone 5) A rare cabbage-like perennial with a stout branching 20-24" stem and broad thick fringed silvery-grey leaves that form a loose "head" which readily snaps off when bent. The tender slightly bitter early spring shoots were blanched under large pots and eaten. The leaves and flower buds are also edible. Popular a century ago in England and France. Sometimes grown as an ornamental, especially in well-drained coastal areas where it thrives. Mounded plant is covered with dense racemes of small white flowers in midsummer if not harvested. Start indoors like broccoli, set out for harvest the 2nd and subsequent years. Stratify seeds for good germination. Needs protection to over-winter in colder areas. **NEW!** ③ **A**=1g, $2.00, **B**=2g, $3.80, **C**=4g, $7.00, *not available in larger sizes.*

## MÂCHE *Valerianella locusta*

Also known as Corn Salad, Lamb's Lettuce, Field Salad and Fetticus, mâche has a unique nutty flavor that really enhances salads.

**3102VC Verte de Cambrai** (45 days) A small-seeded small-leaved strain which performs especially well in cool or cold conditions and is the best kind for over-wintering. May be the same variety as grown by Thomas Jefferson at Monticello in 1810 under the name Candia. ⑤ **A**=1/16oz, 80¢, **B**=1/8oz, $1.50, **C**=1/2oz, $2.80, **D**=1oz, $5.00, **E**=4oz, $14.00, **K**=1lb, $50.00



**3114LL Large-Leaf Round** (60 days) Vigorous large-leaf type which is suitable for sowing in spring for an early summer harvest. Weaver traces this strain back to the 1840s, but for centuries prior to that corn salad was gathered in the wild. **BACK!** ② **A**=1/16oz, 80¢, **B**=1/8oz, $1.40, **C**=1/2oz, $2.00, **D**=1oz, $3.00, **E**=4oz, $8.00, **K**=1lb, $28.00

### MINUTINA *Plantago coronopus*

**3122MN Minutina** (50 days) Also called Buckshorn Plantain. Morse Pitts of Windfall Farm brought this spiky green to our attention. As it comes up it looks like little blades of grass. As it matures, it resembles mizuna leaves, only much narrower, less leafy and more succulent. Crunchy with a mild nutty flavor. Slow grower, will regenerate from cutting, but we recommend succession planting. Extremely cold hardy. ② **A**=1/16oz, $1.00, **B**=1/8oz, $1.80, **C**=1/2oz, $4.50, **D**=1oz, $8.00, **E**=4oz, $28.00, **K**=1lb, $110.00

### MUSTARD GREENS *Brassica juncea*

See #**3222 et seq**. under Asian Greens.

### ORACH *Atriplex hortensis*

Key salad ingredient once called the Cabbage of Love, also known as Mountain Spinach, thrives in cool weather and should be sown as soon as the ground can be worked. Can be pinched back to encourage production and retard bolting. Produces an abundance of seed which can be saved, and will occasionally self-sow. Once very popular in America (Fearing Burr listed 16 varieties in 1865!), then forgotten for many years, orach has come back into favor. Seed encased in papery hulls, not suitable for precision seeders.

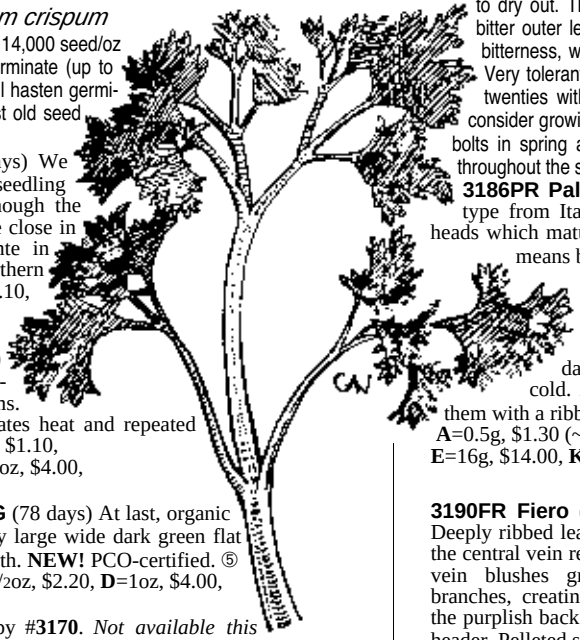
**Magenta Orach OG** *No crop this year.*

**3148RO Triple Purple Orach OG** (38 days) Beautiful red-purple spinach-shaped leaves have a mild flavor. OT-certified. ① **A**=1/16oz, $1.20 (~250 seeds), **B**=1/8oz, $2.20, **C**=1/2oz, $5.50, **D**=1oz, $9.00, **E**=4oz, $32.00, **K**=1lb, $110.00

**Aurora Orach Mix OG** *No crop this year.*

### PARSLEY *Petroselinum crispum*

**1/16 oz packet sows 25 ft, 1 oz 400 ft.** 14,000 seed/oz average. Very hardy. Very slow to germinate (up to 30 days). Soaking seed 8-12 hours will hasten germination. Parsley seed is short-lived; test old seed before sowing.



**3158GI Gigante d'Italia** (70 days) We were really wowed by its early seedling vigor and rich sweet flavor. Although the regular Plain Leaf eventually came close in size (1') it never matched Gigante in flavor. Heirloom hails from northern Italy. ③ **A**=1/16oz, 60¢, **B**=1/8oz, $1.10, **C**=1/2oz, $1.80, **D**=1oz, $3.00, **E**=4oz, $5.00, **K**=1lb, $14.00

**3166FG Forest Green** (75 days) Combination double- and triple-curled with long upright stiff stems. Holds color well all season, tolerates heat and repeated cuttings. ② **A**=1/16oz, 60¢, **B**=1/8oz, $1.10, **C**=1/2oz, $1.80, **D**=1oz, $2.50, **E**=4oz, $4.00, **K**=1lb, $12.00

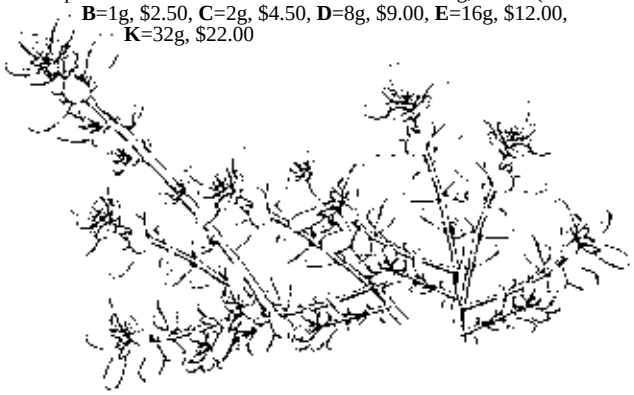
**3170DO Dark Green Italian OG** (78 days) At last, organic seed for parsley. Smooth and shiny large wide dark green flat leaves. Upright with vigorous growth. **NEW!** PCO-certified. ⑤ **A**=1/16oz, 70¢, **B**=1/8oz, $1.20, **C**=1/2oz, $2.20, **D**=1oz, $4.00, **E**=4oz, $10.00, **K**=1lb, $35.00

**Plain Leaf** (80 days) Replaced by #**3170**. *Not available this year.*

### PURSLANE *Portulaca oleracea* var. *sativa*

Its Latin name means "milk-bearing vegetable." Direct seed in spring, after danger of frost is past. Thin to 5" apart. Can be cut; will regenerate. Doesn't tolerate frost. We recommend a succession planting to maximize tenderness. Purslane leaves have more vitamin C than spinach leaves and are rich in omega-3 fatty acids and antioxidants.

**3182GO Golden OG** (50 days) Related to the common garden weed, but more erect and not crawly. Golden has a succulent texture with a mildly acerbic flavor which makes it an ideal addition to mesclun. Golden-green leaves patterned like a cross. OT-certified. ① **A**=0.5g, $1.40 (~1200 seeds), **B**=1g, $2.50, **C**=2g, $4.50, **D**=8g, $9.00, **E**=16g, $12.00, **K**=32g, $22.00



### Open-pollinated RADICCHIO *Cichorium intybus*

These radicchios are easy to raise from transplants although they have not yet been refined to absolute uniformity. Occasional plants still bolt unpredictably. If you try direct-seeding, watch out for voracious flea beetles. Culture like lettuce; do not allow to dry out. They are mature when heads form in the center. Do not eat the bitter outer leaves. The edible centers are an acquired taste, retaining some bitterness, wonderful in salad or braised. Fall crops make the largest heads. Very tolerant of fall frosts. Ours gallantly stood consecutive nights in the low twenties without apparent damage. Even if you don't like to eat radicchio, consider growing its red heads as ornamentals. Left in the ground over winter, it bolts in spring and blooms with cornflower-blue chicory flowers every morning throughout the summer.

**3186PR Palla di Fuoco Rossa** (65 days) Round-headed Chioggia-type from Italy. Palla di Fuoco impressed us with its deep burgundy heads which matured earlier with better uniformity than Augusto. Its name means balls of red fire. ② **A**=0.5g, $1.20 (~350 seeds), **B**=1g, $2.00, **C**=2g, $4.00, **D**=8g, $7.00, **E**=16g, $12.00, **K**=32g, $20.00

**3189RT Radicchio di Treviso** (80 days) Shaped almost like a small romaine lettuce, turns from green to variegated dark burgundy with lovely white veining as the nights grow cold. As its narrow leaves bunch like a romaine, you can bind them with a ribbon to make a firmer "head." Best for fall crops. ② **A**=0.5g, $1.30 (~350 seeds), **B**=1g, $2.20, **C**=2g, $4.00, **D**=8g, $8.00, **E**=16g, $14.00, **K**=32g, $24.00

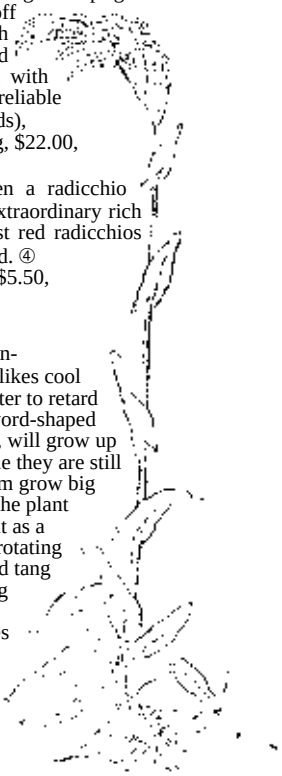
### Hybrid RADICCHIO

**3190FR Fiero** (66 days) A truly beautiful elongated upright radicchio. Deeply ribbed leaves with a branching pattern off the central vein reminiscent of a tree. The whitish vein blushes green along the margins and branches, creating a spectacular color contrast with the purplish background. Early and delicious, a reliable header. Pelleted seed. ④ **A**=0.5g, $1.60 (~12 seeds), **B**=1g, $3.00, **C**=2g, $5.50, **D**=8g, $12.00, **E**=16g, $22.00, **K**=32g, $40.00

**3191ND Indigo** (69 days) We've never seen a radicchio produce such consistently large tight heads of extraordinary rich interior color. Nikos rated it one of the sweetest red radicchios she's ever tasted. Tip-burn resistant. Pelleted seed. ④ **A**=0.5g, $1.60 (~12 seeds), **B**=1g, $3.00, **C**=2g, $5.50, **D**=8g, $12.00, **E**=16g, $22.00, **K**=32g, $40.00

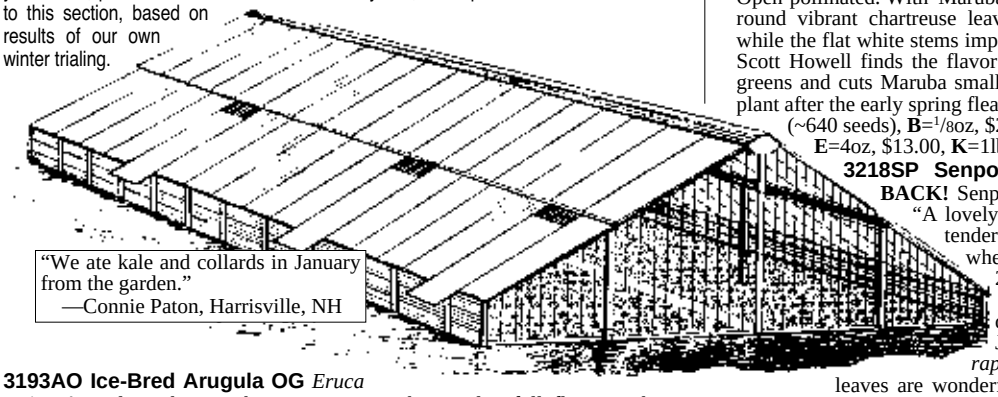
### SORREL *Rumex acetosa*

**3192BL Broad-Leaved Sorrel** (60 days) Open-pollinated. Perennial often known as Sour Grass likes cool weather, acid soil, partial shade and plenty of water to retard bolting. In spring it rapidly shoots up its thick sword-shaped lemony-flavored leaves, which, if left untouched, will grow up to 18" and make seed stalks. Snip the leaves while they are still young and tender. Keep cutting and never let them grow big and coarse or go to seed. If they get away, mow the plant close to the ground and it will regenerate. Or treat as a biennial by planting a new patch every year and rotating the old patch out of production. Young leaves add tang to soups and salads and provide a welcome spring tonic. Tony Ricci of Green Heron Farm in PA recommends grilling fish wrapped in sorrel leaves surrounded by foil. The sorrel imparts an herbal-lemon flavor to the fish. ② **A**=1/16oz, 70¢ (~1925 seeds), **B**=1/8oz, $1.10, **C**=1/2oz, $1.80, **D**=1oz, $3.20, **E**=4oz, $9.00, **K**=1lb, $30.00



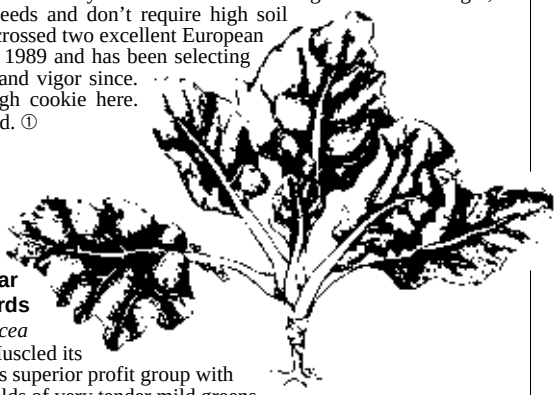
## Season-Extending GREENS

Have you been inspired by Eliot Coleman's work? Do you want to farm the back side of the calendar? (See Coleman's *Winter Harvest Manual* #**9877** in our book section for details). In this new section we are introducing four land-race greens bred by Maryland market grower Brett Grohsgal for year-round sustained yields and outstanding flavors under organic low-protection "real-farm" conditions. They have been screened for survival through typical January night temperatures from 5-22˚F with no snow cover and high winds, selected for "bounce-back," the ability to grow during brief thaw periods and to be harvestable within 24 hours after a mid-day thaw follows night temperatures of 20-24˚F, and evaluated for how many harvest cuts can be made from Nov.-Mar. Winter hardy in Zone 7, several of these greens are being tested by Restoring Our Seed growers and appear to have season-extending, if not year-round, potential in colder areas. In future years, we hope to add more cultivars to this section, based on results of our own winter trialing.



"We ate kale and collards in January from the garden."
—Connie Paton, Harrisville, NH

**3193AO Ice-Bred Arugula OG** *Eruca sativa* Arugula with more bite. Vigorous with complex full flavors. The version we offered last year successfully over-wintered in Connecticut, on the Cape and in upstate New York (Zone 5) under light mulch. This incarnation is even tougher, having survived a fourth record-breaking Maryland winter that featured nasty ice storms. Mid-ribs and whole leaves develop a lovely purple hue in winter freezes. Recovers in spring even if plant goes dormant under very cold conditions. Seedlings can stand drought, compete against weeds and don't require high soil fertility. Grohsgal crossed two excellent European heirloom strains in 1989 and has been selecting for cold-hardiness and vigor since. He's bred one tough cookie here. **NEW!** MD-certified. ①
**A**=1g, $2.00,
**B**=2g, $3.80,
**C**=4g, $7.00,
**D**=1oz, $40.00,
**E**=4oz, $150.00



**3195CO Even'Star Champion Collards OG** *Brassica oleracea* (acephela group) Muscled its way into Grohsgal's superior profit group with fast outstanding yields of very tender mild greens. Maternally selected for more cold-hardiness, greater vigor and more BL and PM resistance in humidity than any other pure-cultivar collard. Stays tender and sweet into spring warm-up with fast yields of lobed leaves. **NEW!** MD-certified. ① **A**=2g, $2.00, **B**=4g, $3.80, **C**=14g, $12.00, **D**=28g, $22.00, **E**=112g, $85.00

**3197TO Tenderleaf OG** *B. rapa* Multi-purpose mild Asian brassica, great in mesclun, salad mixes or blended with stronger cooking greens. Even the largest leaves cook in only 10 seconds. Resembles romaine lettuce with its large and mild oval leaves. A heterogenous land race derived from crossing Tendergreen and Tatsoi and selected for the darker leaf color of tatsoi with the growth rate and rock-solid disease tolerances of Tendergreen. Can be profitably planted in the fall later than any other of the 25 brassicas Grohsgal grows. Sell by volume, not weight; not as dense as some other greens. **NEW!** MD-certified. ① **A**=1/16oz, $2.00, **B**=1/8oz, $3.80, **C**=1/2oz, $12.00, **D**=1oz, $22.00, **E**=4oz, $85.00

**3198SO Even'Star Land-Race Tatsoi OG** *B. r.* Not the classic basal rosette tatsoi, this versatile green is derived from a Tenderleaf x Tatsoi cross. Excellent for cut-and-come-again, whole-plant harvesting, or selective cutting for cooking greens. Sweet, succulent, tender with heavy profitable leaves. A superb mild component to tone down mustards in cooking blends. Selected for tender sweet leaves, 100% winter hardiness in Maryland and superior vigor. More upright growth form than standard tatsoi, but with much less cold-burn leaf damage following deep freezes and more rapid bounce back. Avoid midsummer plantings. Sow instead in late summer or early fall to minimize leaf toughening. Do not over-fertilize; too much N shortens post-harvest shelf life. **NEW!** MD-certified. ① **A**=1/16oz, $2.00, **B**=1/8oz, $3.80, **C**=1/2oz, $12.00, **D**=1oz, $22.00, **E**=4oz, $85.00

## ASIAN GREENS

**3205HT Hon Tsai Tai** (37 days) *Brassica rapa* Open-pollinated. Chinese specialty vegetable also known as Purple-flowered *Choy Sum*, meaning "vegetable heart" or "flowering stem" in Cantonese. The flower stalks, leaf stalks and buds are deep purple, with color intensifying in cold weather. Grows vigorously in fertile soil, producing up to forty pencil-thick flowering shoots, though much skimpier on poor ground. Shoots and leaves have a pleasant mild mustardy flavor good for stir-fries, braising and soups. Grows best in cool weather, ideal when sown in late summer for a fall crop or in fall for an early winter crop in warmer climates. Hardy to 23˚. May bolt prematurely in midsummer heat. **NEW!** ③ **A**=1/16oz, 90¢, **B**=1/8oz, $1.40, **C**=1/2oz, $2.20, **D**=1oz, $3.60, **E**=4oz, $10.00, **K**=1lb, $36.00

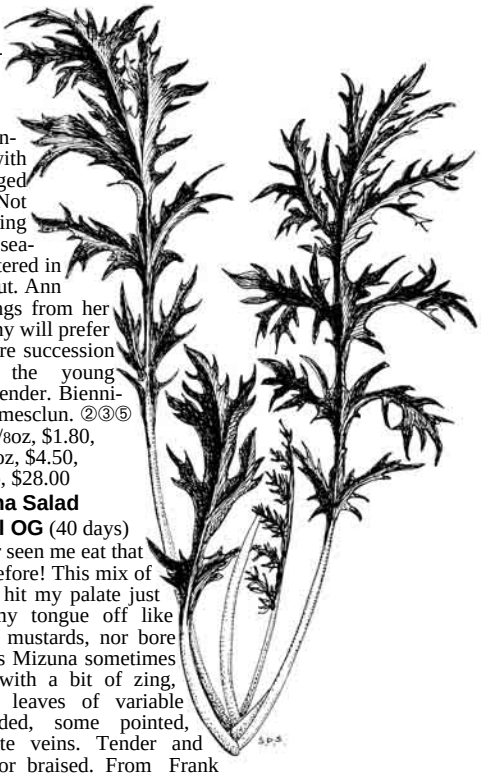
**3209MS Maruba Santoh** (35 days) *B. r.* (pekinensis group) Open-pollinated. With Maruba you get two vegetables in one. The loose round vibrant chartreuse leaves provide a mild piquant mustardy flavor while the flat white stems impart a juicy crisp pac choi taste. Market grower Scott Howell finds the flavor more subtle and complex than that of other greens and cuts Maruba small for his mesclun mix. Fairly bolt tolerant, so plant after the early spring flea beetle invasion subsides. ⑤ **A**=1/16oz, $1.10 (~640 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.20, **D**=1oz, $5.00, **E**=4oz, $13.00, **K**=1lb, $45.00

**3218SP Senposai** (40 days) F-1 hybrid. We welcome **BACK!** Senposai. In the words of Michigan's Ann Elder, "A lovely cut-and-come-again collard type much more tender and cold-hardy than traditional collards" even when the leaves are big. "We just cut some, Jan. 22, after two freeze/thaw periods and it is sweet, not freezer burnt." This exciting green, developed in Japan, is a cross between Japanese Mustard Spinach (Komatsuna *B. rapa*) and regular cabbage. Round medium-green leaves are wonderful in *okonamiyaki* or for braising. A spring sowing will stand the entire summer (even through drought) and well into fall before bolting. Can be over-wintered in warmer climes or used for spring greenhouse salad production because it grows so rapidly. Open plant habit requires 12-18" spacing. **A**=1/16oz, $1.20, **B**=1/8oz, $2.20, **C**=1/2oz, $4.00, **D**=1oz, $6.00, **E**=4oz, $20.00, **K**=1lb, $70.00

### MUSTARD

**1/16 oz packet sows 40 ft, approx 15,600 seeds per oz.**

**3222GW Green Wave** (45 days) *Brassica juncea* Open-pollinated. This 1957 AAS winner is the best-adapted mustard for our climate. Its hot mustardy flavor makes it a prime ingredient in piquant mesclun. Not as hot when parboiled. Will come back when cut; slow to bolt. ③ **A**=1/16oz, 60¢ (~1060 seeds), **B**=1/8oz, $1.10, **C**=1/2oz, $1.60, **D**=1oz, $3.00, **E**=4oz, $5.00, **K**=1lb, $12.00



**3228MZ Mizuna** (40 days) *B. rapa* (japonica group) Open-pollinated. Vigorous heirloom Japanese mustard produces slender white stalks with deeply cut and fringed dark green leaves. Not pungent. One planting could suffice for full season production if watered in dry spells and kept cut. Ann Elder got four cuttings from her Mizuna in 2004. Many will prefer to make three or more succession plantings because the young leaves are the most tender. Biennial. Essential in mild mesclun. ②③⑤ **A**=1/16oz, $1.00, **B**=1/8oz, $1.80, **C**=1/2oz, $3.00, **D**=1oz, $4.50, **E**=4oz, $9.00, **K**=1lb, $28.00

**3230MO Mizspoona Salad Selects Gene Pool OG** (40 days) *B. r.* Nikos had never seen me eat that much of any green before! This mix of saladings must have hit my palate just right…didn't bite my tongue off like some of the serious mustards, nor bore me with blandness as Mizuna sometimes does. Sweet, juicy with a bit of zing, medium dark-green leaves of variable shape, some rounded, some pointed, slightly ribbed white veins. Tender and delicious in salads or braised. From Frank Morton. OT-certified. ① **A**=1/16oz, $1.30, **B**=1/8oz, $2.40, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $35.00, **K**=1lb, $105.00

**3232PO Pung Pop Mustard Gene Pool OG** (40 days) *B. j.* No, this is not a new punk genre called pop mustard, despite its peppy name. It's an acronym for Pungent Population, a gene pool Frank Morton selected out of breeding populations from Miike x Horned crosses, both pungent Indian mustards. The results are rapid-growing large plants with thick stems, big dark-green leaves and handsome red veining. As for the flavor? Peppy would be an understatement. Try hot, as with a hot pepper intensity that bites. Our trialer loved them. In addition to providing good eating, this population is a source for experimenting with different colors and textures to select those you like the most. OT-certified. ① **A**=1/16oz, $1.30, **B**=1/8oz, $2.40, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $35.00, **K**=1lb, $105.00

**3234LO Pink Lettucy Mustard Gene Pool OG** (40 days) *B. r.* "I planted Pink Lettucy…in the fall. We've had several nights in the 20s and teens and the plants are big and beautiful. I steam-sauté them with fresh garlic and top with parmesan cheese. The flavor is outstanding," proclaims Linda Paul of Bachamsville, VA. Frank Morton has selected well-mixed breeding pools for disease resistance and particularly for pink/purple pigmentations on the midribs. There is still a lot of variation in leaf color (from light green to green with purple edges), in indentations of the leaf edges and some in midrib coloration. Morton is selecting from the pool for specific types and you can, too. He is particularly interested in creating more color for baby cut salad mixes. Commercial operations will find a wealth of good cutting, home gardeners terrific salad fixings, mild but with just enough tang to keep you interested. OT-certified. ① **A**=1/16oz, $1.30, **B**=1/8oz, $2.40, **C**=1/2oz, $6.50, **D**=1oz, $12.00, **E**=4oz, $38.00, **K**=1lb, $110.00

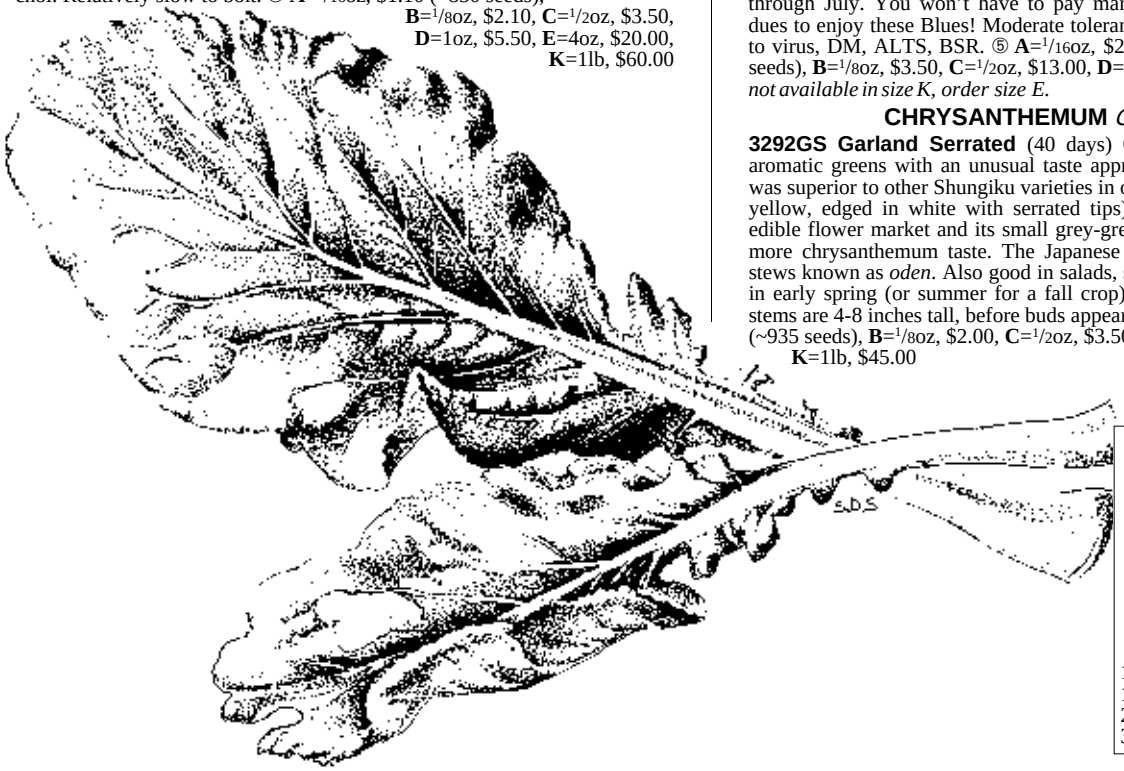
**3236RO Red Giant OG** (45 days) *B. j.* (integlifolia group) Open-pollinated. Large purple-tinted savoyed leaves make the 18" plants very decorative. Color intensifies in cooler temperatures. Gene compares their taste to horseradish. I prefer to call it peppery. It is less hot during cool weather. This heirloom Japanese mustard is a standard ingredient in spicy mesclun. CCOF-certified. ③ **A**=1/16oz, $1.10 (~880 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $5.00, **E**=4oz, $12.00, **K**=1lb, $35.00

**Tatsoi** (45 days) *B. r.* (narinosa group) Open-pollinated. What grows quickly, can be seeded as late as August and withstands frost? Yes, Tatsoi, also known as Tah Tsai. Anne Elder picked it all fall into December even after a snow melt-off. In winter it was still not burnt by cold and remained sweet. "A dream come true for snow-dwelling beings craving greens." Spoon-shaped thick dark-green leaves make beautiful compact rosettes with mild brassica flavor. Good stir-fried and in soups. Will come back when cut. Since our purchaser Nikos Kavanya first brought it to our attention, it has become an essential ingredient in our salads and mesclun. See also #**3198**.

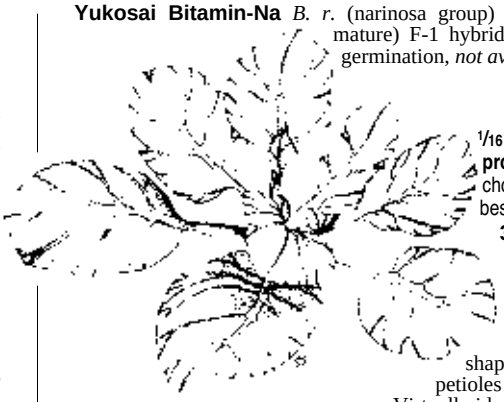
**3244TS Tatsoi** ②⑤ **A**=1/16oz, $1.00, **B**=1/8oz, $1.80, **C**=1/2oz, $3.00, **D**=1oz, $4.00, **E**=4oz, $9.00, **K**=1lb, $28.00

**3245TO Tatsoi OG** CCOF-certified. ③ **A**=1/16oz, $1.20 (~850 seeds), **B**=1/8oz, $2.20, **C**=1/2oz, $4.00, *not available in larger sizes.*

**3252TZ Toraziroh** (45 days) *B. alboglabra* Open-pollinated. A robust performer with just the right kind of mustardy zest. Rapidly develops prolific yields of large very dark green leaves distinctively but not overwhelmingly pungent. In two years of trials won many favorable reviews from brassica lovers. Stems, also edible, have a flavor somewhat like pac choi. Relatively slow to bolt. ⑤ **A**=1/16oz, $1.10 (~850 seeds), **B**=1/8oz, $2.10, **C**=1/2oz, $3.50, **D**=1oz, $5.50, **E**=4oz, $20.00, **K**=1lb, $60.00



**Yukosai Bitamin-Na** *B. r.* (narinosa group) (21 days baby; 45 days mature) F-1 hybrid. Again crop failure, low germination, *not available this year.*



## PAC CHOI *B. r. (chinensis group)*

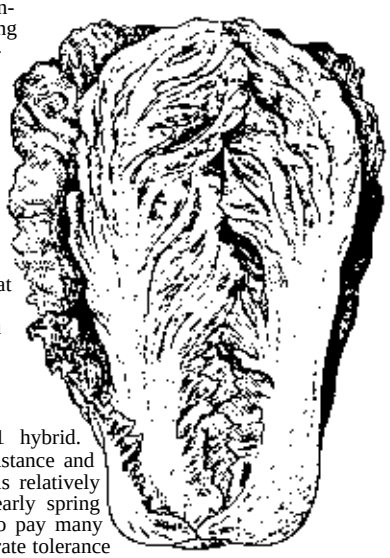
**1/16 oz packet sows 30 ft, approx 12,500 seeds per oz.** Pac choi and carrots are among the best sources of beta carotene.

**3260SH Shuko** (45 days) F-1 hybrid. Baby pac choi with green stems likes cool temperatures but resists bolting for a long time, even in heat. Vase-shaped plants have broad green petioles with beautiful dark leaves. Virtually identical to Mei Qing Choi. ⑤ **A**=1/16oz, $1.20, **B**=1/8oz, $2.20, **C**=1/2oz, $3.80, **D**=1oz, $6.50, **E**=4oz, $22.00, **K**=1lb, $65.00

**3270PO Prize Choy Pac Choi OG** (50 days) Open-pollinated. Classy pac choi with celery-like white stems and vase-shaped 15-18" tall heads. OT-certified. ① **A**=1/16oz, $1.30 (~760 seeds), **B**=1/8oz, $2.40, **C**=1/2oz, $6.00, **D**=1oz, $11.00, **E**=4oz, $35.00, **K**=1lb, $105.00

## CHINESE CABBAGE *B. r. (pekinensis group)*

**1/16 oz packet sows 25 ft, approx 9,500 seeds per oz.**



**3273FJ Fun Jen** (45 days) Open-pollinated. Fast-growing undulating leaves with a slightly wrinkly surface. Customers asked for a lettucy-type Chinese cabbage and in Fun Jen, we found a good one. These semi-loose conical very light yellow-green ruffled 6x10" heads have a crunchy texture and very mild delicate flavor somewhat like lettuce. The thick white ribs are tasty with a pleasing light tangy sweetness. Shows excellent frost resistance but will bolt in heat after standing 2-4 weeks. Stores very well. Seed from Known-You in Taiwan. ③ **A**=1/16oz, $1.10, **B**=1/8oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $5.00, **E**=4oz, $12.00, **K**=1lb, $35.00

**3276BL Blues** (52 days) F-1 hybrid. Good bolt resistance, disease resistance and taste in this Napa type. Flavor is relatively pungent. Suitable for planting early spring through July. You won't have to pay many dues to enjoy these Blues! Moderate tolerance to virus, DM, ALTS, BSR. ⑤ **A**=1/16oz, $2.00 (~700 seeds), **B**=1/8oz, $3.50, **C**=1/2oz, $13.00, **D**=1oz, $23.00, **E**=4oz, $85.00, *not available in size K, order size E.*

## CHRYSANTHEMUM *C. coronarium*

**3292GS Garland Serrated** (40 days) Open-pollinated. Grown for its aromatic greens with an unusual taste appreciated by devotees. This strain was superior to other Shungiku varieties in our trial. Its 5" flowers (buttercup yellow, edged in white with serrated tips) were larger and better for the edible flower market and its small grey-green serrated leaves had distinctly more chrysanthemum taste. The Japanese use it in hearty one-pot winter stews known as *oden*. Also good in salads, soups and stir-fries. Plant thickly in early spring (or summer for a fall crop) and harvest green leaves when stems are 4-8 inches tall, before buds appear. ⑤ **A**=1/16oz, $1.10 (~935 seeds), **B**=1/8oz, $2.00, **C**=1/2oz, $3.50, **D**=1oz, $5.00, **E**=4oz, $13.00, **K**=1lb, $45.00

**Weight equivalents**

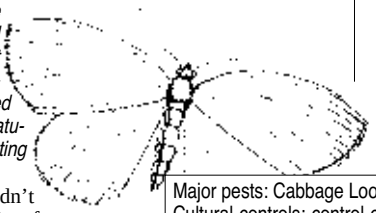
| | | |
|---|---|---|
| 1 gram = | .035 oz | |
| 2 grams = | .070 oz | |
| 3 grams = | .106 oz | |
| 4 grams = | .141 oz | |
| 7 grams = | .247 oz | |
| 10 grams = | .355 oz | |
| 14 grams = | .494 oz | |
| 15 grams = | .528 oz | |
| 20 grams = | .710 oz | |
| 28 grams = | .987 oz | |
| 100 grams = | 3.53 oz | or .220 lb |
| 112 grams = | 3.95 oz | or .247 lb |
| 225 grams = | 7.93 oz | or .496 lb |
| 340 grams = | 11.99 oz | or .750 lb |

## Open-pollinated BRASSICA

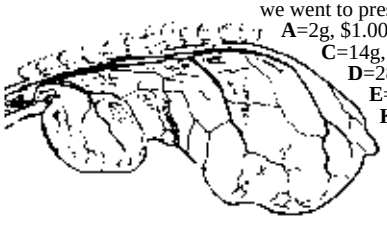
**2 gram packet sows 45 ft. About 8,000 seeds per oz.** Hardy. Start broccoli and cauliflower indoors March-May for setting out May-July, or direct-seed in May or June for fall crop. They are easier as fall crops because some varieties perform poorly in hot summers. For better stands in dry conditions sow in trenches. Require warm temperatures to germinate, but need 60s during seedling stage for optimal growth; higher temperatures make seedlings leggy. Heavy feeders; for best growth, need regular moisture and 2-3' spacing. Have done well for us succeeding onions and garlic in beds. Cauliflower and broccoli are damaged by hard frosts, especially in spring. Days to maturity are from direct seeding. Subtract 20 days from date of transplanting.

### Open-pollinated BROCCOLI *B. oleracea (botrytis group)*

How tastes change! In 1880, Hiram Sibley & Co. offered 37 varieties of cabbage, just 3 of broccoli. Broccoli contains significant levels of sulforaphane, a substance that helps detoxify carcinogens from the body. Research indicating that broccoli seed sprouts are more effective in combating cancer than the vegetable itself caused a run on open-pollinated broccoli seeds. *The broccoli seed which we offer is not food grade and we cannot guarantee that it is fit for human consumption. We have no control over the conditions in which it is stored before it reaches us. Please consult your natural food wholesaler or retailer for sprouting seed.*



**3305PC Piracicaba** (56 days) "I couldn't stop eating them." That was the refrain of my partner Eli Rogosa and our trials maven Nikos Kavanya when I asked if they were serious about adding this funny-looking broccoli with its even funnier name. Turns out Piracicaba is a city and river in Brazil famous for its beautiful waterfalls, and home of the university where this broccoli was developed. About halfway between a heading broccoli and a broccoli raab, these succulent tender small green heads with very large beads make delightful raw eating. Very loose heads, lots of side shoots, sweet stalks. Garden writer Barbara Damrosch found it equally delicious steamed. NY State trialers report best as a fall crop with relatively good frost tolerance, although it was bred to withstand heat and has produced heads at temperatures in the 90s in trials in California. A hit with customers both in 2005 and 2006, it may become even more popular thanks to Damrosch's wonderful column on it which appeared in the *Washington Post* shortly before we went to press. ② **A**=2g, $1.00, **B**=4g, $1.80, **C**=14g, $3.50, **D**=28g, $6.00, **E**=112g, $16.00, **K**=448g, $60.00



Major pests: Cabbage Looper, Diamondback Moth, Imported Cabbageworm
Cultural controls: control cruciferous weeds near crop fields, till-under crop debris of early-season brassicas after harvest.
Materials: Spinosad (#**8922-3**), Bt (#**8902-3**), Neem products (#**8858**) (may require several applications).

Pest: Flea Beetle
Cultural control: floating row covers (#**9101**), mulch with straw, time plantings for fall harvested crops only, crop rotation, perimeter trap cropping.
Materials: Rotenone (not OMRI allowed), Spinosad, Pyganic (#**8924**), Neem products, Capsaicin (Hot Pepper Wax #**8856**, not allowed for organic certification).

Pest: Cabbage Root Maggot
Cultural controls: time planting to avoid first generation, use row covers, control weeds.
Material: Nematodes (#**8941**).

Major diseases: Black Rot, Alternaria Leaf Spot, Blackleg, Club Root, Downy Milldew, White Mold
Cultural controls: avoid transplanting plants with yellow leaves or v-shaped lesions, crop rotation, destroy crop debris after harvest, avoid overhead irrigation, control weeds, allow for good air movement.
Materials: copper compounds (#**8803**) may help for some of these diseases.

Disease: Head Rot
Cultural controls: use well-domed varieties, harvest heads when tight, cut stalks at an angle.
Material: copper

**3310TO Thompson OG** (92 days) A breeding coup by Tim Peters, who has done much work with open-pollinated broccoli. When grown under fertile conditions, Thompson shows excellent resistance to stress and more consistently well-formed heads than Umpqua. Uniform dark green heads average 5-6" in diameter. "Thompson broccoli was outstanding in size with sideshoots that…kept going and going." An excellent open-pollinated broccoli for fall crops. CCOF-certified. ① **A**=2g, $1.10 (~400 seeds), **B**=4g, $2.00, **C**=14g, $4.00, **D**=28g, $7.00, **E**=112g, $25.00, **K**=448g, $75.00

**3313WM Waltham 29** (92 days) Developed in 1951 and long considered the standard open-pollinated fall broccoli. We've found a reliable strain which consistently produces 6" heads with medium beads. These are attractive stocky 20" plants. Many hybrids make bigger central heads, but Waltham delivers a goodly number of side shoots. *Caution: not suitable for summer crops, will not head properly in heat.* ② **A**=2g, 60¢ (~490 seeds), **B**=4g, $1.00, **C**=14g, $2.20, **D**=28g, $3.20, **E**=112g, $6.00, **K**=448g, $15.00

**3314UO Umpqua OG** (95 days) Developed in 1990 by Tim Peters, this broccoli gets its name from the Umpqua River in Oregon. Makes 5-6" heads that are more regular and darker green than Waltham 29. A great producer of abundant side shoots over a long harvest window, Umpqua is an ideal home garden variety for the fall. Last offered by Fedco in 1993. **BACK!** OT-certified. ① **A**=2g, $1.20, **B**=4g, $2.20, **C**=14g, $4.50, **D**=28g, $8.00, **E**=112g, $25.00, **K**=448g, $80.00

**3316NR Natalino Romanesco** (120 days) This unique heirloom from Northern Italy is undeniably one of the most beautiful plants in the garden when grown well. Chef Odessa Piper calls Romanesco's cone-shaped somewhat irregular whorl of chartreuse florets "broccoli on acid." When not well grown, the whorls are small and ugly. The trick is to maintain extremely high soil fertility. We had fantastic results planting in raised beds with 8" of well-rotted manure. Well-grown plants are huge, and need about 10 sq. ft. each. Should be started indoors in March or April and transplanted out in late May or June. Maturity is irregular and can occur any time between August and October. ② **A**=0.5g, 90¢ (~125 seeds), **B**=1g, $1.60, **C**=4g, $4.50, **D**=14g, $8.00, **E**=28g, $12.00, *not available in size K.*

### Open-pollinated BRUSSELS SPROUTS *B. o. (gemmifera group)*

"They are a delicacy not surpassed by the finest cauliflower," asserts the 1915 Salzer catalog. I agree, but like cauliflower, they are fussy. They must be started indoors no later than early April and transplanted into very fertile soil. A real key to success is to top the plants around Sept. 1. When I experimented by topping some and leaving others, the difference was dramatic. Within two weeks the topped plants were putting all their energy into making sprouts while the untopped plants continued to shoot up more foliage and only miniscule sprouts. The jury is still out on whether to remove the lower leaves, but evidence suggests best practice is to retain the leaves while topping the plant. Hardiest member of the brassica family is improved by frost and can be harvested past the first snowfall.

**3317FS Falstaff** (98 days) We'll raise a glass to Falstaff. We loved the beauty of red varieties such as Rubine, but never could get a single sprout to mature until we found Falstaff. From Thompson & Morgan, the first red brussels sprout to ripen in our climate, Falstaff is not only ornamental but also extremely savory. Cooking brings out its tender nutty sweetness while allowing it to retain bluish purple pigments. It cooks quickly, though, so don't overdo it. Good production in our 2003 plot, only fair in 2004, sprouts with wide size variation, some quite large. The color intensifies after a hard frost. The plants tend to sprawl. ③ **A**=2g, 90¢, **B**=4g, $1.60, **C**=14g, $5.50, **D**=28g, $10.00, **E**=112g, $20.00

**3319GR Groninger** (104 days) Long Island Improved is considered the standard open-pollinated brussels sprout, but we've never been able to get it to do anything. After a long search, we found Groninger. Groninger has been a decent performer for us, and did extremely well in 2005. While not as productive or as uniform as the best hybrids, it gives fair yields of good-sized sprouts, making it a good choice for home gardens. We will continue looking, but so far, Groninger is the best open-pollinated green sprout we've found. ③ **A**=2g, 90¢ (~650 seeds), **B**=4g, $1.60, **C**=14g, $4.00, **D**=28g, $6.50, **E**=112g, $14.00, **K**=448g, $45.00

## Open-pollinated CABBAGE *B. o. (capitata group)*

From Stark Bros. 1924 catalog: "Every wide awake gardener knows that it is the early cabbage that brings in the dollars." The Greeks and Romans believed that eating cabbage at banquets would keep you from getting drunk. Blue-purple foods such as red cabbage and purple cauliflower contain anthocyanins and phenolics which benefit the urinary tract, memory and immune systems.

Recent efforts to eat more local produce are turning people's attention back to lactic fermentation, the age-old method for making pickled foods like sauerkraut and kimchi. Easy to do at home, lactic fermentation is the work of a succession of microbial species. The first ones produce lactic acid making the mix acidic, killing undesirable organisms and fostering microbes that complete the reaction. Sauerkraut is immune-enhancing and easier to digest with more available nutrients than raw cabbage. See *Keeping Food Fresh* (#**9743**) and *Wild Fermentation* (#**9874**) in the book section for explanations and recipes.

**3320GA Golden Acre** (62 days) Suggested by a couple of customers who presumably wanted an early open-pollinated cabbage that's not a pointy-headed intellectual from Jersey. Billed as new, "the earliest of the round-headed cabbages" in the 1928 Jerome B. Rice catalog, a selection of the Copenhagen Market type. Heads average 3-5 lb. Short stems with sparse wrapper leaves and medium-sized core keep it compact. The standard variety in 6-pack plant sales, highly regarded by home gardeners for its excellent flavor, and particularly esteemed for its sweet tender hearts. Grey-green head with white interior. Not long standing. **NEW!** ② **A**=2g, 60¢, **B**=4g, $1.00, **C**=14g, $2.00, **D**=28g, $3.00, **E**=112g, $8.00, **K**=448g, $13.00

**3324EJ Early Jersey Wakefield** (63 days) This wonderful early cabbage originated in England in the early 1800s, was first grown in America in 1840, perfected by a German truck gardener in northern New Jersey and released by Peter Henderson in 1868. Henderson in 1902 asserted that "it was more largely grown than all other first early cabbages combined" and called it an "old reliable always to be depended upon for its uniformity in earliness and crop." Ann Elder from Community Farm CSA in Ann Arbor has found it to be a fantastic fall cabbage as well. Wakefield's compact medium 2-3 lb. heads are distinctively pointy. The pyramidal shape with sparse outside foliage permits close spacing. Tender flavorful waxy-looking Wakefield has stood the test of the ages and is still prized by home and market gardeners. ② **A**=2g, 60¢ (~620 seeds), **B**=4g, $1.00, **C**=14g, $2.00, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $10.00

**3335DV Des Vertus Savoy** (95 days) From the 1800s, also known as Large Drumhead Savoy. A writer in the *American Agriculturist* (May 1882) urged that "Savoy cabbage is as much superior to the common hardheaded kinds as the least cultivated grape is superior to the ornamental fox-grape of the woods." This French variety is the best open-pollinated savoy cabbage we've found. Its large medium-green heads average 4-6 lb. Flavor is mild and juicy, semi-sweet. ② **A**=2g, 80¢ (~400 seeds), **B**=4g, $1.20, **C**=14g, $3.00, **D**=28g, $5.00, **E**=112g, $12.00, **K**=448g, $40.00

**3336RR Mammoth Red Rock** (100 days) This old favorite goes back to 1889. Vaughan in 1904 called it "the surest heading red cabbage ever introduced." R.B. Dunning & Co. of Bangor, ME, sold a packet for a nickel and an ounce for 35¢ in 1936. A large late storage cabbage with firm flattened round heads in the 5-8 lb. range, Mammoth has a crisp sweet taste. Heads 8-10" across, red-purple to the core. ③② **A**=2g, 60¢ (~620 seeds), **B**=4g, $1.00, **C**=14g, $2.00, **D**=28g, $3.00, **E**=112g, $8.00, **K**=448g, $13.00

**Danish Ballhead** (100 days) The strain has been crossed with brussels sprouts. *No seed available this year.*



## Open-pollinated CAULIFLOWER *B. o. (botrytis group)*

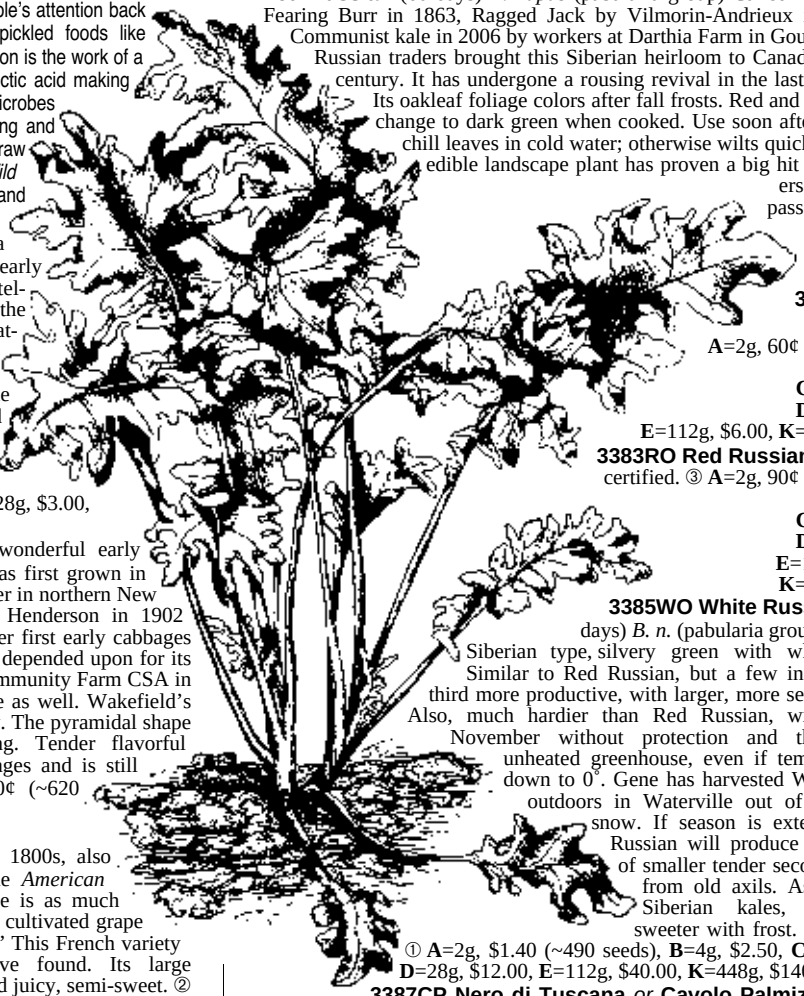
When cauliflower heads first appear, bend leaves over curd to prevent discoloring. We are looking for more good open-pollinated cauliflower varieties.

**3348DM Dominant** (94 days) We welcome back Dominant, last seen on these pages in 2001, and are pleased that it gets us off the schneid for open-pollinated cauliflower. Good o-p caulis are hard to find, but Dominant, where adaptable, produces a beautiful fall crop of elegant 4-6 lb. heads. It is a star on highly fertile loam and clay soils. Suitable only for late crops, it should be heavenly if we keep getting warm Octobers like this one. Not recommended in sandy soils under dry conditions. **BACK!** ⑤ **A**=2g, $1.40 (~1000 seeds), **B**=4g, $2.60, **C**=14g, $8.00, **D**=28g, $12.00, **E**=112g, $40.00, **K**=448g, $140.00

## Open-pollinated KALE

To avoid the worst of the flea beetle season direct seed kale and collards in July for Sept. maturity. Kale is quite hardy and the flavor is enhanced by fall frosts.

**Red Russian** (60 days) *B. napus* (pabularia group) Called Buda Kale by Fearing Burr in 1863, Ragged Jack by Vilmorin-Andrieux in 1885, and Communist kale in 2006 by workers at Darthia Farm in Gouldsboro, ME. Russian traders brought this Siberian heirloom to Canada in the 19th century. It has undergone a rousing revival in the last dozen years. Its oakleaf foliage colors after fall frosts. Red and purple leaves change to dark green when cooked. Use soon after picking, or chill leaves in cold water; otherwise wilts quickly. Vigorous edible landscape plant has proven a big hit with customers for its unsurpassed tenderness and delicate flavor.



**3382RC Red Russian** ② **A**=2g, 60¢ (~800 seeds), **B**=4g, $1.00, **C**=14g, $2.00, **D**=28g, $3.00, **E**=112g, $6.00, **K**=448g, $17.00

**3383RO Red Russian OG** CCOF-certified. ③ **A**=2g, 90¢ (~800 seeds), **B**=4g, $1.60, **C**=14g, $3.20, **D**=28g, $5.00, **E**=112g, $13.00, **K**=448g, $40.00

**3385WO White Russian OG** (60 days) *B. n.* (pabularia group) A flat-leaf Siberian type, silvery green with white veining. Similar to Red Russian, but a few inches taller, a third more productive, with larger, more serrated leaves. Also, much hardier than Red Russian, will hold into November without protection and thrive in an unheated greenhouse, even if temperatures go down to 0°. Gene has harvested White Russian outdoors in Waterville out of the January snow. If season is extended, White Russian will produce new clusters of smaller tender secondary leaves from old axils. As with other Siberian kales, flavor gets sweeter with frost. OT-certified. ① **A**=2g, $1.40 (~490 seeds), **B**=4g, $2.50, **C**=14g, $7.00, **D**=28g, $12.00, **E**=112g, $40.00, **K**=448g, $140.00

**3387CP Nero di Tuscana** *or* **Cavolo Palmizio** (62 days) *B. o.* (acephala group) Also known as Dinosaur Kale. Nero was described by Vilmorin-Andrieux in 1885 and traced back to the 18th century by William Woys Weaver who calls it "one of the most beautiful kales to grace any kitchen garden" and suggests interplanting with a vivid green lettuce for a spectacular color combination. Nero is elemental, a stripped-down version of kale shaped like a miniature palm tree about 18" high. Very dark-green wrinkled strap-like leaves appear almost black at a distance, looking minimalist compared with the more common lush curly-leaved kales. Delicious and nutritious as well as adaptable to a wide temperature range, its sweet mild flavor improves after frost. Research by biologists at the University of New Hampshire showed this variety to have the highest concentration of carotenoids of any kale they tested. ② **A**=2g, 80¢ (~750 seeds), **B**=4g, $1.20, **C**=14g, $3.50, **D**=28g, $6.00, **E**=112g, $16.00, **K**=448g, $55.00

### Open-pollinated KOHLRABI

*B. o. (gongylodes group)*

**3390WV Early White Vienna** (58 days) Early dwarf heirloom variety with short tops and medium-sized stems. Bulbs have crisp white tender flesh with a pungent taste. Don't like kohlrabi? Try harvesting it young when it tastes like a humble version of the globe artichoke. Its texture turns tough, woody, and inedible if you wait too long. From Central Europe before 1860. ② **A**=2g, 60¢ (~590 seeds), **B**=4g, $1.00, **C**=14g, $2.00, **D**=28g, $3.00, **E**=112g, $5.00, **K**=448g, $11.00

**3392GI Gigante** (130 days) You might guess that these get enormous. And they do, regularly exceeding 10" in diameter and 10 lb. According to Nichols Garden Nursery, the world record is 62 lb, leaves included. Unlike other kohlrabi, this Czechoslovakian heirloom doesn't get woody even when it grows enormous. Gigante's crisp white mildly tangy flesh will add zest to your meals while you await the first edible greens of spring. Sow in spring for late fall harvest. A root cellar staple and a favorite of market grower Jason Kafka who plants a 300' bed. ③ **A**=2g, 80¢ (~620 seeds), **B**=4g, $1.20, **C**=14g, $4.00, **D**=28g, $8.00, **E**=112g, $16.00, **K**=448g, $55.00

### Open-pollinated RAAB

*B. rapa (ruvo group)*

**3396QT Quarantina** (40 days) Also known as Rapini here and *Broccolo Asparago* in Italy, *Quarantina* means "40 days." Raab is a non-heading version of broccoli with a more pungent flavor. Harvest young stems, leaves and small flower buds. Steam, stir-fry or add to salads. Many people try this as a spring crop with poor results. If the flea beatles don't get you, the summer heat will. Raab is much better as a fall crop. It will hold a lot longer and cool nights improve the flavor. Tender tips of young kale leaves make a better spring crop. ② **A**=2g, 80¢ (~850 seeds), **B**=4g, $1.20, **C**=14g, $2.50, **D**=28g, $4.50, **E**=112g, $14.00, **K**=448g, $40.00

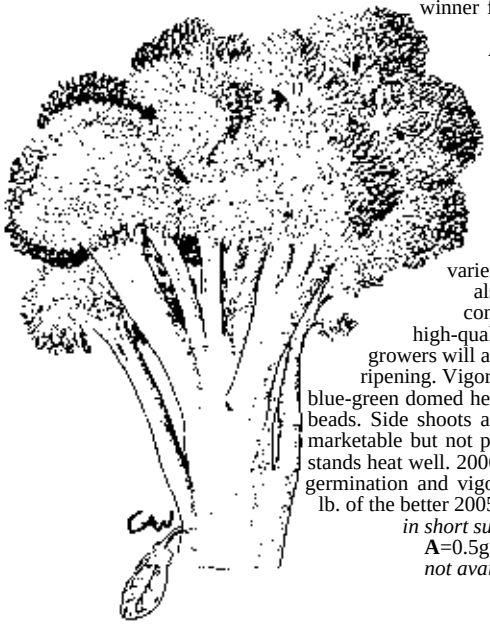
## Hybrid BRASSICA

**About 8,000 seeds per oz (28.4g).**

### Hybrid BROCCOLI *B. o. (botrytis group)*

**3410PK Packman** (73 days) A good broccoli to start the season, Packman's 6-7" flat-topped heads look a little like the butch haircuts that were popular when I was a kid in the fifties! Usually reliable but will button if stressed by extreme cold or excessive moisture. Due to its flat heads, can suffer center rot in periods of excessive rain. From Seminis, *this is the last year we will carry. Seed in short supply; order early.* ⑥ **A**=0.5g, $1.50 (~125 seeds), *not available in larger sizes.*

**3434PC Premium Crop** (82 days) Old standby maincrop broccoli for commercial growers. Uniform, dependable with large 8" heads. Very few side shoots. Harvest early in rainy weather to avoid rot in centers. 1975 AAS winner from Takii in Japan. Tolerant to DM. ⑤ **A**=0.5g, $1.20 (~125 seeds), **B**=1g, $2.00, **C**=4g, $6.00, **D**=14g, $14.00, **E**=28g, $25.00



**3442GK Green King** (85 days) Exceptional tenderness made it the best-tasting of 23 varieties in our trial. King also scored high for its consistent yield of large high-quality 8" heads. Market growers will appreciate its uniform ripening. Vigorous plants bear thick blue-green domed heads with rather large beads. Side shoots are big enough to be marketable but not plentiful. Green King stands heat well. 2006 seed crop had poor germination and vigor. We have only .7 lb. of the better 2005 seed crop left. *Seed in short supply; order early!* ③ **A**=0.5g, $1.30 (~165 seeds), *not available in larger sizes.*

**3456PO Purple Peacock OG** (92 days) The latest improvement in Frank Morton's Goliath-Peacock series, a gourmet ornamental edible cross of a large green broccoli with a colorful flowering kale is **BACK!** Although this version is more uniform than previous incarnations, it is still a somewhat variable gene-pool. Wavy-looking deeply-cut purple leaves with rounded edges are punctuated by pink veins. The sweet broccoli flavor of the head and abundant side shoots is augmented by the kale-like qualities of the leaves, especially as fall delivers its first cold nights. An imposing plant, 2½ feet tall, spreading 2-3', which makes quite a spectacle. Purple leaves and heads cook to a dark green or can be enjoyed out-of-hand or in salads. OT-certified. ① **A**=0.5g, $1.00, **B**=1g, $1.80, **C**=4g, $6.00, **D**=14g, $12.00, **E**=28g, $20.00

**Liberty** (93 days) Liberty, the Seminis/Monsanto broccoli, is *no longer available and gone from our catalog for good.* Liberty is also gone from our republic, but we see signs of hope for its return in 2009.

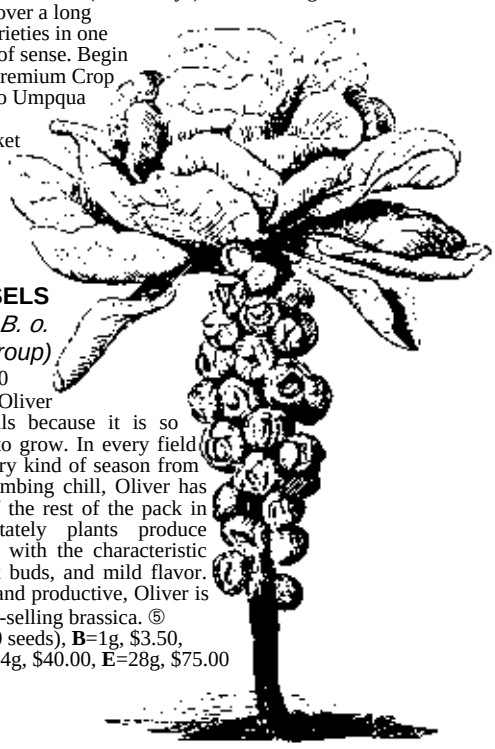
"He who would sacrifice liberty for security deserves neither."
—Ben Franklin (sent in by Nick Domenici of Denver, CO)

"When you stick to facts and seeds, I am in your camp…but when you run babbling off into the leftist dogma wilderness…you are close to losing me as a customer."
—Todd Filmore, Shrewsbury, VT

"I love Fedco. The cooperative. The politics. The information. The prices. The catalog!"
—Julie Henderson, Plainfield, VT

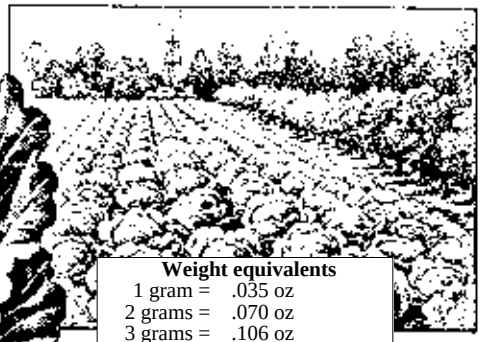
**3462AR Arcadia** (94 days) The broccoli to grow in hot summers, it rocks in conditions that reduce other broccoli to compost. "Still the best broccoli I've ever grown, bar none," raves Janine Wellsby from the Buckeye State where it gets pretty warm. Arcadia's frosty bluish-green heads with very refined small beads hold a long time. Its gently mounded dome-shaped heads are consistently of marketable quality. Yes, Arcadia is big and rugged, standing up not just to heat, but also to rot, mildew and cold stress as well. *The best broccoli for midsummer is good in fall, too.* You never know what global warming might bring in 2007, so be prepared with Arcadia. ⑤ **A**=0.5g (~90 seeds), $1.40, **B**=1g, $2.50, **C**=4g, $8.00, **D**=14g, $18.00, **E**=28g, $35.00

**3475BB Broccoli Blend** (82-94 days) For home gardeners who want broccoli to mature over a long season, a mix of varieties in one packet makes a lot of sense. Begin your harvest with Premium Crop and carry through to Umpqua without having to purchase a full packet of each kind. **A**=0.5g, $1.30, **B**=1g, $2.40, **C**=4g, $8.00, **D**=14g, $18.00, **E**=28g, $32.00



### Hybrid BRUSSELS SPROUTS *B. o. (gemmifera group)*

**3480LV Oliver** (90 days) F-1 hybrid. Oliver inspires testimonials because it is so early and so easy to grow. In every field comparison, in every kind of season from sizzling heat to numbing chill, Oliver has been way ahead of the rest of the pack in all categories. Stately plants produce good-sized sprouts with the characteristic classic shape, tight buds, and mild flavor. Early, dependable and productive, Oliver is deservedly our best-selling brassica. ⑤ **A**=0.5g, $2.00 (~80 seeds), **B**=1g, $3.50, **C**=4g, $12.00, **D**=14g, $40.00, **E**=28g, $75.00



| Weight equivalents | | |
|---|---|---|
| 1 gram = | .035 oz | |
| 2 grams = | .070 oz | |
| 3 grams = | .106 oz | |
| 4 grams = | .141 oz | |
| 7 grams = | .247 oz | |
| 10 grams = | .355 oz | |
| 14 grams = | .494 oz | |
| 15 grams = | .528 oz | |
| 20 grams = | .710 oz | |
| 28 grams = | .987 oz | |
| 100 grams = | 3.53 oz | or .220 lb |
| 112 grams = | 3.95 oz | or .247 lb |
| 225 grams = | 7.93 oz | or .496 lb |
| 340 grams = | 11.99 oz | or .750 lb |

## Hybrid CABBAGE *B. o. (capitata group)*

**3505GZ Gonzales** (66 days) These days many families like compact cabbages. Commercial growers like them, too, because they can be planted densely for a high return per acre. Gonzales is our choice to replace Hermes in the early baby cabbage class. The round upright heads are slightly larger than softballs when mature, about 4-6" in diameter weighing no more than 3 lb. Good medium-green color with a short core. Dense, sweet and spicy with good holding qualities. **NEW!** ④ **A**=0.5g, $1.40 (~70 seeds), **B**=1g, $2.50, **C**=4g, $8.00, **D**=14g, $18.00, **E**=28g, $35.00

**3510WK Wakamine** (70 days) From the folks at Takii in Japan, here's a good-looking cabbage to replace Grand Prize. These firm flatheads, somewhat reminiscent of Stonehead, grew nice firm 3-4 lb. cabbages in our trial. Heat resistant, suitable for close spacing, with good deep green color. Much tighter heads than Grand Prize. If that one won the Grand Prize, this one must be best in show! **NEW!** ⑤ **A**=0.5g, $1.60, **B**=1g, $2.80, **C**=4g, $9.50, **D**=14g, $30.00, **E**=28g, $55.00

**Grand Prize** (76 days) The blue ribbon passes on to #**3510** Wakamine because we have dropped this Seminis/Monsanto variety. Grand Prize is *not available in 2007.*

**3526SR Super Red 80** (80 days) Super Red 80 ripens after Laso, but well before Ruby Perfection, with smooth tight round medium-dark red heads in the 3-5 lb. range. Splendid appearance will please market growers. Resists splitting. Tender and crisp with a pleasing flavor. ⑤ **A**=0.5g, $1.60 (~90 seeds), **B**=1g, $2.60, **C**=4g, $8.50, **D**=14g, $25.00, **E**=28g, $45.00

**3536RP Ruby Perfection** (85 days) This fancy midseason type has produced some of the loveliest cabbage we've ever seen: solid deep purple-red spherical heads averaging 4-6 lb, occasionally reaching 8 lbs. A great storage cabbage; will keep till May in the root cellar. Low tolerance to black rot. ⑤ **A**=0.5g, $1.60 (~125 seeds), **B**=1g, $3.00, **C**=4g, $9.00, **D**=14g, $26.00, **E**=28g, $48.00

**3538ML Melissa Savoy** (85 days) Here is a gorgeous savoy, with 2-4 lb. solid slightly flattened light green heads surrounded by attractive dark blue-green waxy wrapper leaves. A vigorous grower even in cold wet conditions, Melissa ripens around Sept. 1 from early June transplanting. Flavor improves with cold weather. Adaptable to close spacing. For dependability, uniformity, attractiveness and taste, Melissa can't be topped. FY, TB tolerant. ④ **A**=0.5g, $2.00 (~110 seeds), **B**=1g, $3.50, **C**=4g, $11.00, **D**=14g, $35.00, **E**=28g, $65.00

**3539BT Bartolo** (115 days) Until now, my only association with the name 'Bartolo' was for Bartolo Colon, a hard-throwing righthander for whom the Red Sox should have traded Casey Fossum several years ago. As much as the Red Sox need pitching, maybe you need an excellent hybrid storage cabbage which will last and last and last. Turns out Bartolo is also that good high hard one, sitting high off the ground with large round 4-8 lb. heads of dark green color, well-protected with waxy thick serrated wrapper leaves. Very high-yielding. We were impressed in our trials and we'll go to bat for it. Tolerates BS and TB. **NEW!** ④ **A**=0.5g, $2.00, **B**=1g, $3.20, **C**=4g, $10.00, **D**=14g, $34.00, **E**=28g, $65.00

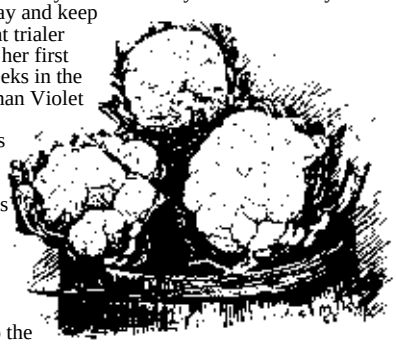
## Hybrid CAULIFLOWER *B. o. (botrytis group)*

**3544MJ Majestic** (68 days) Our earliest cauliflower, reliable and reasonably sized for summer production. Heads average 5-6", weighing from 10 oz. to l lb. with good color. Rugged enough to withstand hot dry conditions. ⑤ **A**=0.5g, $2.00 (~70 seeds), **B**=1g, $3.00, **C**=4g, $9.00, **D**=14g, $30.00, *not available in larger sizes.*

**3552SC Snow Crown** (70 days) Though we continue to trial early cauliflowers, nothing comes close to Snow Crown. Makes cauliflower a cinch to grow. Dependable producer of uniform 6-7" heads early summer through October. Drought resistant. Very early. Some tendency for pink heads in adverse conditions. 1975 All-America winner from Takii. ⑤ **A**=0.5g, $1.50 (~70 seeds), **B**=1g, $2.60, **C**=4g, $8.50, **D**=14g, $28.00, **E**=28g, $50.00

**3570VG Violet Queen** (80 days) About halfway between broccoli and cauliflower, each plant sets one purple head which doesn't require tying. No side shoots. A tasty novelty for adding color to salads and dips. Turns light green when blanched. ⑤ **A**=0.5g, $2.20 (~100 seeds), **B**=1g, $4.00, **C**=4g, $15.00, **D**=14g, $50.00, **E**=28g, $85.00

**3573GR Graffiti** (80 days) The aliens have landed in the cauliflower patch! The brilliant, almost psychedelic purple of these good-sized heads is decidedly other-worldly. It will surely draw customers to your market display and keep them lingering. So beautiful that trialer Donna Dyrek opted not to pick her first head, instead letting it stand weeks in the garden. Much brighter purple than Violet Queen, Graffiti boasts a true cauliflower head on large plants with dark green leaves. Resists summer heat and performs even in drought. Colorful florets make delightful crudités, a delicious cooked vegetable or lend color to kimchi. The color fades to bluish-purple when cooked, but can be preserved by adding 1 T of lemon juice to the cooking water. ⑤ **A**=0.1g, $2.00, **B**=0.2g, $3.00, **C**=1g, $12.50, **D**=4g, $48.00, **E**=16g, $180.00, **K**=32g, $320.00



**3578CC Candid Charm** (95 days) Charm produces large curds, in the same class as Dominant, but less fussy. Holds snow-white color a long time. Recommended for fall crops only. We've grown some awesome heads, most in the 3-4 lb. range. For years I've bragged about the 12x14", 6½ lb. head I grew that won a cauliflower-growing contest with Celeste Dore in 1987. However, I've now been topped by Adam Tomash and June Zeller who produced an astounding 9-pounder this year! Yes, it *was* a good year for cauliflower, but still… ⑤ **A**=0.5g, $2.00 (~100 seeds), **B**=1g, $3.50, **C**=4g, $12.00, **D**=14g, $36.00, **E**=28g, $65.00

## Hybrid KALE *B. o. (acephala group)*

**3582RB Redbor** (60 days) A spectacular all-red kale, highest rated in the OSU trials. Frilly ruffled leaves take on a dramatic purple coloration in cool weather. Can be grown in summer but really comes into its own in fall. Quite cold hardy. Grows to 3'. For a rainbow kale patch interplant with White Russian, Red Russian, Winterbor and Nero di Tuscana. ④ **A**=0.5g, $2.60 (~100 seeds), **B**=1g, $5.20, **C**=4g, $20.00, **D**=14g, $65.00, **E**=28g, $120.00

**3586WB Winterbor** (60 days) Winterbor was the most vigorous grower in each of our last three kale trials, showing the best cold hardiness and the richest blue-green color. Curled leaves are highly ruffled with good mild flavor, especially after they've been tickled by some of our frigid November nights. "Great in summer, after a frost, and in winter," says Bill Half. ④ **A**=0.5g, $1.50 (~95 seeds), **B**=1g, $2.60, **C**=4g, $8.50, **D**=14g, $28.00, **E**=28g, $50.00

## Hybrid KOHLRABI *B. o. (gongylodes group)*

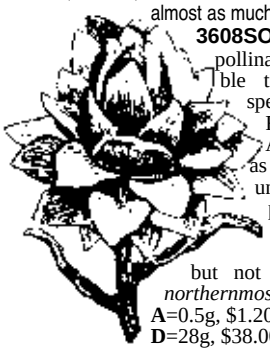
**3594KB Kolibri** (45 days) The best purple kohlrabi we've found. It is quick growing, very uniform, purple on the outside, crisp and white on the inside. Interplant with #**3036** Bright Lights swiss chard for a dazzling display. ④ **A**=0.5g, $1.80 (~140 seeds), **B**=1g, $3.50, **C**=4g, $12.00, **D**=14g, $36.00, **E**=28g, $70.00

# ARTICHOKE, CELERY, EGGPLANT, OKRA

Days to maturity are from date of transplanting, not seeding.

## GLOBE ARTICHOKE *Cynara scolymus*

Artichoke seed needs vernalization to trick it into thinking it has already gone through a season of growth. Start indoors in mid-February at warm temperatures (at least 60˚) avoiding direct hot sun or overwatering (misting is preferred). Transfer after 6 weeks to a cold frame when outdoor temperatures stay above 25˚. Keep as cool as possible over the next 6 weeks without going below 25˚. Set out with IRT plastic mulch (#**9096-8**) and/or row covers. Feed heavily and give lots of moisture and almost as much space as Romanesco Broccoli (10 sq ft per plant).



**3608SO Imperial Star OG** (120 days) Open-pollinated. This delicious vegetable is now accessible to northern gardeners. We've seen good specimens at Hidden Valley Farm in Alna and at Forest Farm in Harborside. Market gardener Alan LePage in Barre, VT, has gotten as many as eight fruits off a single plant. While that's unusual, most plants will bear more than one, producing in the cooler fall weather which they prefer to summer's full heat. Plants (both seedlings and mature) can tolerate light frosts but not hard ones. *Caution: May not ripen in northernmost areas.* Agrior-certified. PVP. ③ **A**=0.5g, $1.20 (~10 seeds), **B**=1g, $2.20, **C**=4g, $8.00, **D**=28g, $38.00

## CELERY & CELERIAC *Apium graveolens*

**0.2 gram packet about 500 seeds, 0.4 gram packet about 1000 seeds, 75,000 seeds per oz.** Tender, must be started indoors in March, 10-12 weeks before setting out. Slow growers require rich moist soil to survive. Celery withstands light fall frosts but gets kayoed by serious cold.

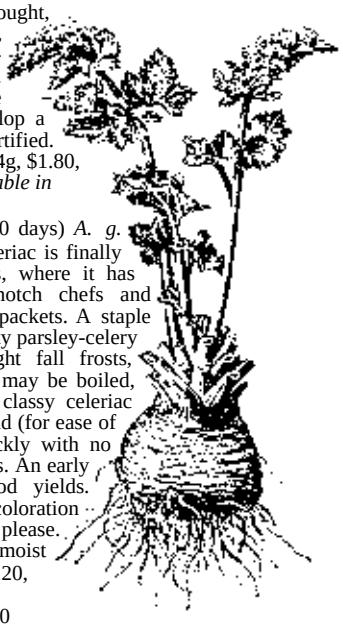
**3616AF Afina Cutting Celery** (60 days) Open-pollinated. Sturdy dark green foliage has rich aroma and taste, regenerates quickly after cutting. Imparts the same flavor to stews and soups as conventional celery. Although its culture is the same, it is much hardier and easier to grow. Both its thin hollow stems and its leaves can be used fresh or dried. Grows up to 30" tall. ④ **A**=0.2g, $1.30 (~545 seeds), **B**=0.4g, $2.20, **C**=1g, $5.00, **D**=4g, $15.00, **E**=28g, $100.00

**3624VO Ventura Celery OG** (80 days) *A. g.* var. *dulce* Open-pollinated. Ventura takes the difficulty out of growing celery. Develops beautiful thick crisp stalks with rich but never harsh flavor even in less than ideal conditions. Because it has some tolerance to fusarium, Ventura doesn't seem to get the punky centers which sometimes plague Utah. Young plants need adequate moisture; irrigate if necessary. *Crop failure; we have only a small quantity of held-over seed. Order very early; if you snooze, you lose.* Stellar-certified. ② **A**=0.2g, $1.20, *not available in larger sizes.*

**3630RO Redventure OG** (84 days) F-1 hybrid. Nothing redventured, nothing gained! An inspired cross of Giant Red Celery and Ventura by Frank Morton. This marriage of opposites brings out the best in both partners and hides away the flaws. Wanting to offer red celery, we trialed heirloom Giant Red but found it tough, stringy and too strong for modern palates. However, when it was combined with Ventura, the harshness and textural flaws disappeared into a delicious chewy stem with plenty of interior red coloration. Not quite as tender as Ventura, but with an enhanced flavor that will really enliven soups, salads and casseroles. OT-certified. ① **A**=0.2g, $1.20 (~950 seeds), **B**=0.4g, $2.20, **C**=1g, $3.60, **D**=4g, $6.50, **E**=28g, $20.00

**3631GS Golden Self-Blanching** (88 days) Open-pollinated. With Ventura in short supply we ventured in search of a suitable replacement, and came upon this heirloom, originally from France, brought to America by Burpee in 1884. Good enough to grace the catalog cover of James J.H. Gregory in 1917. He described "stalks crispy and solid of delicious flavor with a solid heart of a rich golden yellow." Plants reach 20-28" tall with thick heavy stringless 9" yellow-green ribs and a nutty-flavored base. Blanches to a yellowish gold by fall. Roberta says it is tender without the strong taste of homegrown celery. **NEW!** ② **A**=0.2g, 90¢, **B**=0.4g, $1.60, **C**=1g, $3.00, **D**=4g, $5.00, **E**=28g, $20.00

**3632PO Par-Cel Cutting Celery OG** (72 days) Open-pollinated. Market gardener Eva Sommaripa suggested that we carry this curly cutting celery which looks like parsley but tastes more like celery. When we could not find a commercial supplier, she grew the seed for us herself. In several outdoor trials we've found it a fussy germinator, so we recommend an indoor start. Although it withstands heat and drought, Par-Cel is remarkably cold-tolerant, lasting well into late fall, and tremendously vigorous once established. Cut leaves back once the roots are well-established. Older leaves develop a flavor too strong for most. BSO-certified. ① **A**=0.2g, $1.00 (~400 seeds), **B**=0.4g, $1.80, **C**=1g, $3.50, **D**=4g, $9.00, *not available in larger sizes.*



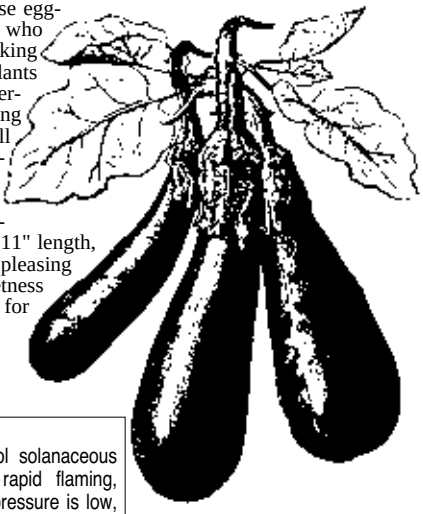
**3644DM Diamante Celeriac** (100 days) *A. g.* var. *rapaceum* Open-pollinated. Celeriac is finally coming into its own in the States, where it has recently been embraced by top-notch chefs and gourmets. Every year we sell more packets. A staple in central and eastern Europe, its nutty parsley-celery flavor, which is improved by light fall frosts, enhances meat, fish and poultry. It may be boiled, mashed or braised. Diamante is a classy celeriac with roots that stand above the ground (for ease of harvest and cleaning), size up quickly with no hollow crown and very few offshoots. An early start indoors is essential for good yields. Diamante's clean white internal coloration and superb eating quality are sure to please. Can be stored up to six months in moist sand in the root cellar. ④ **A**=0.2g, $2.20, **B**=0.4g, $4.20, **C**=1g, $9.50, **D**=4g, $33.00, **E**=28g, $220.00

## EGGPLANT *Solanum melongena*

**0.2 gram packet about 48 seeds, 0.4 gram packet about 96 seeds.** Likes same growing conditions as peppers. Growing eggplant is a real challenge in our short season. The selections below are the most reliable producers we've found. We are looking for more, but often in our climate even our highly skilled trialers can get only sparse production of ripe fruits. So we were awed by Adam Tomash's flawless specimens at the Common Ground Fair Exhibition Hall, including one of Listada Da Gandia, a variety we considered too late to mature here. Tomash suggests slipping panty hose over fruits when they are still small to keep the insects out and harvest unblemished exhibition-grade fruit.

**3666SW Swallow** (51 days) F-1 hybrid. Don't believe you can grow eggplant in this cold part of the world? Swallow could make you a believer because it is *early*, producing glossy purple-black tender fruit of the elongated (1¾x7") oriental type without the bitterness often associated with larger eggplants. No wonder it was our most popular eggplant with sales of nearly 1,200 packets last year. ⑤ **A**=0.2g, $1.40 (~55 seeds), **B**=0.4g, $2.50, **C**=1g, $5.50, **D**=4g, $20.00, **E**=28g, $120.00

**3673PL Pingtung Long** (58 days) F-1 hybrid. Named for a town in Taiwan. Long Chinese eggplant will please cooks who enjoy the ease of working with uniform slices. Plants are vigorous, stress tolerant, and start producing early for a decent overall yield. If Pingtung is harvested before full maturity its light purple color is especially appealing. As it approaches its full 11" length, its skin will darken but retain a pleasing sheen. Has an appealing sweetness that will keep you coming back for more. ③ **A**=0.2g, 90¢ (~60 seeds), **B**=0.4g, $1.60, **C**=1g, $2.60, **D**=4g, $4.20, **E**=28g, $18.00

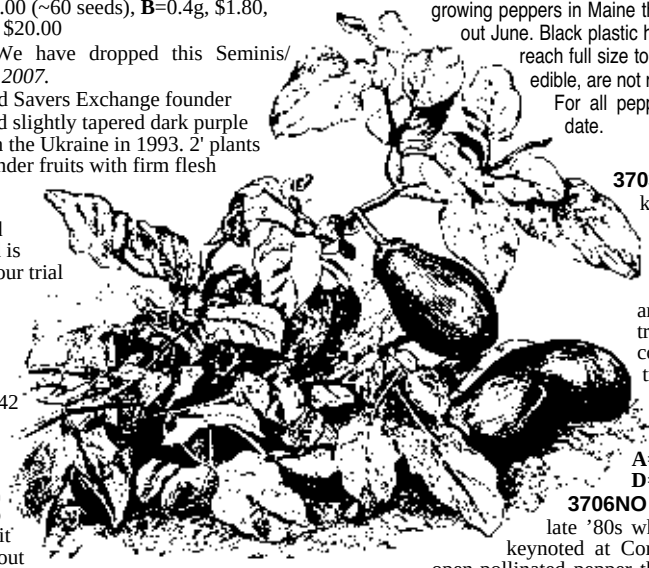


Pest: Colorado Potato Beetle
Cultural controls: rotation, control solanaceous weeds such as horse nettle, rapid flaming, suction devices, hand-picking if pressure is low, mulch before adults arrive.
Materials: Spinosad (#**8922**, **8923**), Beauveria bassiana (Naturalis #**8921**), Neem (AZA-Direct #**8858**).
Also see the Moose Tubers section, page 106.

**3678AO Applegreen OG** (70 days) Open-pollinated. Developed in 1964 for short-season areas by legendary University of New Hampshire plant breeder Elwyn Meader, this rounded light apple-green eggplant, about 6x4½" is early and productive—a winning combination for eggplant aficionados in the North. Chinese Red (*S. integrifolium)* is in the parentage. Fruits weigh 4-5 oz. Mild white flesh is non-bitter, tender and flavorful. Bon appetit! IA-certified. ② **A**=0.2g, $1.00 (~60 seeds), **B**=0.4g, $1.80, **C**=1g, $2.80, **D**=4g, $4.50, **E**=28g, $20.00

**Dusky** (75 days) F-1 hybrid. We have dropped this Seminis/ Monsanto variety. *Not available in 2007.*

**3684DM Diamond** (78 days) Seed Savers Exchange founder Kent Whealy brought this elongated slightly tapered dark purple open-pollinated eggplant back from the Ukraine in 1993. 2' plants set 2½x7" fruit in clusters. The slender fruits with firm flesh and pleasing texture are entirely lacking in that bitter eggplant taste. Because of its mild flavor and good cold-climate adaptability, Diamond is growing in popularity. The best in our trial to replace Dusky, the 12 oz. fruits slightly smaller but more prolific than Dusky, with good early production. Total yield of 4 lb. per plant was just a tad less than Dusky's. **NEW!** ③ **A**=0.2g, 80¢ (~42 seeds), **B**=0.4g, $1.50, **C**=1g, $2.50, **D**=4g, $4.00, **E**=28g, $12.00



**3686CL Cloud 9** (80 days) F-1 hybrid. Presumably the person who named this white eggplant thought it was so good that it will knock you out and send you to Cloud 9! And it *is* good, sweet and bitter-free, as well as unusual for its pure white (not ivory) elongated oval fruits. The enormous plants grow 4' tall and spread 3'. They should not be set out until daytime temperatures consistently exceed 70˚, or they may get stunted. They like warm nights, too. Given proper conditions they are heavy yielders of perfect fruit. Resistant to TMV. *This is the final year we will carry this Seminis variety.* ⑥ **A**=0.2g, $1.20 (~40 seeds), **B**=0.4g, $2.20, *not available in larger sizes.*

**3687TK Turkish Orange** (82 days) *S. integrifolium* Open-pollinated. This dual-purpose eggplant caught our eye. Cook the 2 oz. round fruits when they are still immature, green or green striped with light orange. The flesh then will be sweet, imparting a strong eggplant flavor to any dish. They turn a bright orange red when mature, making a stunning, but no longer edible, ornamental. By then, the skins are quite bitter. Large spineless 3' plants are festooned with many 3" fruits. Brought from Turkey and Italy to America around the time of the Civil War to be used as ornamental plants. **NEW!** ② **A**=0.2g, 90¢, **B**=0.4g, $1.60, **C**=1g, $2.60, **D**=4g, $4.20, **E**=28g, $18.00

**Rosita** (84 days) *Not available this year*.

**3690RB Rosa Bianca** (88 days) Open-pollinated bicolor Italian heirloom. Called by Vermont market grower Alan LePage "the best eggplant in the universe," with a creamy pudding-like consistency and delicate flavor. Gorgeous fruits, white with lavender streaking down the side, can command $3 a pound at markets. Quite different from those familiar slender black types, Rosa is plump, about 3-4" across and 5" long, narrow at the top and widening with indentations almost in folds like draped fabric. Fruits average 2 lb, max out at 4 lb, making it LePage's highest-yielding eggplant. Rosa needs to be coddled, particularly in the northern half of New England. Needs alternating temperatures to break dormancy: warm days (preferably 80s), cooler nights (around 70˚). We recommend raised beds, row covers and plastic or IRT mulch. ② **A**=0.2g, 90¢ (~60 seeds), **B**=0.4g, $1.60, **C**=1g, $2.60, **D**=4g, $4.20, **E**=28g, $18.00

### OKRA *Abelmoschus esculentus*

**2 gram packet contains about 30 seeds.** Okra is very tender and requires a lot of heat. Direct seeding is marginal in our climate. We recommend starting indoors in peat pots in warm (80˚) temperatures and transplanting in 4-5 weeks, after all danger of frost has passed. Transplant 1' apart; do not disturb roots. Fleshy pods are best when picked young and tender, no longer than 4". They are rich in vitamin A, protein, calcium and iron and contain mucin, which aids digestion.

Linda Paul of Bachamsville, VA, shares the following recipe for okra that never makes it to the table: "Dip slices in egg beaten with a little milk, then coat with flour. Fry in hot olive oil, turning ones when bottoms are brown & crispy. Add a little salt after draining on a paper towel. Has the same effect as pop corn."

**Cajun Delight** (70 days) F-1 hybrid. We have dropped this Seminis/ Monsanto variety. *Not available in 2007.*

**3698CH Cow Horn** (90 days) Open-pollinated A pre-1865 heirloom okra that's won a lot of friends in warm regions where it is adaptable. Vigorous 6-7' plants produce long, thin, ribbed and spiny green 10-12" pods that twist like a cow's horn. Harvest before the pods are full-sized lest they grow fibrous. Has that good old-fashioned okra flavor. We are continuing to search for varieties with broader adaptability: *Cow Horn is not very productive in northerly regions*. **NEW!** ③ **A**=2g, 60¢ (~30 seeds), **B**=4g, $1.10, **C**=28g, $3.00, **D**=112g, $10.00

## Open-pollinated PEPPERS *Capsicum annuum*

Capsicum comes from the Greek *kapto* which means "bite."

Room temperature is *not* sufficient to germinate pepper seeds. They need 80s. Very tender, will not tolerate frost, dislike windy spots, will not set fruit in cold or extremely hot temperatures or in drought conditions. 2006 was a better year for growing peppers in Maine than the three previous. Start indoors March or April. Set out June. Black plastic highly recommended. Pick first green peppers when they reach full size to increase total yield significantly. Green peppers, though edible, are not ripe. Peppers ripen to red, yellow, orange, etc.

For all peppers, days to full-color maturity are from transplanting date.

### Open-pollinated SWEET PEPPERS

**3703KO Klari Baby Cheese OG** (65 days) Also known as Golden Delicious Apple Pepper. From Hungary, a Fedco introduction. Cheese peppers are flattened, white when unripe, and filled with a soft core. Shaped like 3" Rouge Vif d'Étampes pumpkins, the squat thick-walled 4 oz. fruits with mild and sweet cores were unlike anything we'd ever tried. I am not a wild-eyed pepper aficionado, but I couldn't stop eating these delicious summertime treats out of hand. Traditionally they are pickled whole after ripening from white to yellow to red. Named after the woman who has maintained this heirloom seed stock. MOFGA-certified. ① **A**=0.5g, $1.60, **B**=1g, $3.00, **C**=2g, $5.50, **D**=4g, $10.00, **E**=28g, $60.00

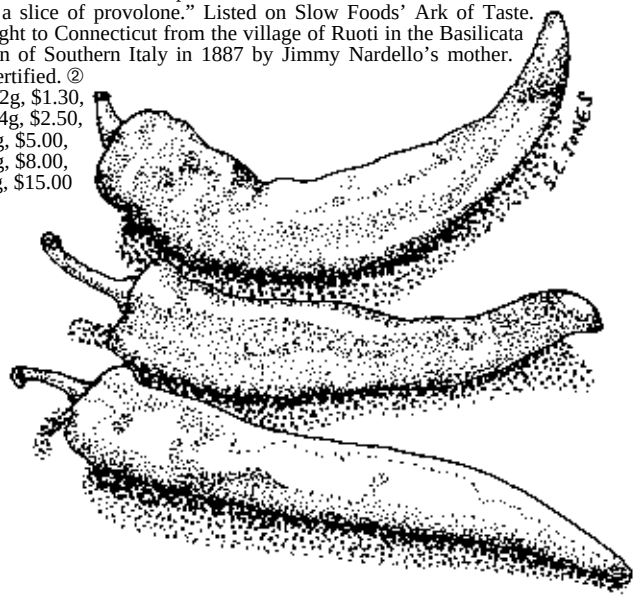
**3706NO King of the North OG** (70 days) Back in the late '80s when Seed Savers Exchange founder Kent Whealy keynoted at Common Ground Fair we asked him to suggest an open-pollinated pepper that would ripen in the North. His suggestion was King and it has been our most popular open-pollinated bell pepper ever since. A good choice for those who want marketable blocky peppers but can't get Staddon's Select to set fruit. Our new seed grower points out that the strain contains a small percentage of 3-lobed pointed fruits that look more like Gypsy than King's characteristic 4-walled square bells. ID-certified. ① **A**=0.5g, $1.20 (~100 seeds), **B**=1g, $1.80, **C**=2g, $3.00, **D**=4g, $5.00, **E**=28g, $25.00

**Boldog Hungarian Spice Sweet Paprika OG** Crop failure, *not available in 2007.*

**3722PB Purple Beauty** (74 days) Produces a good yield of blocky 3x3" fruits which turn from green to purple to deep red as they mature. Purple fruits taste like other crisp green bells, and will turn green when cooked. Plants 18-20". ② **A**=0.5g, 90¢ (~100 seeds), **B**=1g, $1.50, **C**=2g, $2.50, **D**=4g, $4.50, **E**=28g, $20.00

**3728SO Staddon's Select OG** (74 days) Early production of good-sized fruit in adverse conditions. Large glossy dark green 3-4 lobed peppers on tall bushy plants. A good large blocky market-type pepper where fruits will set. *Caution: not adapted to northernmost areas.* OT-certified. ② **A**=0.2g, $1.00 (~40 seeds), **B**=0.4g, $1.80, **C**=1g, $4.00, **D**=2g, $7.00, **E**=4g, $12.00

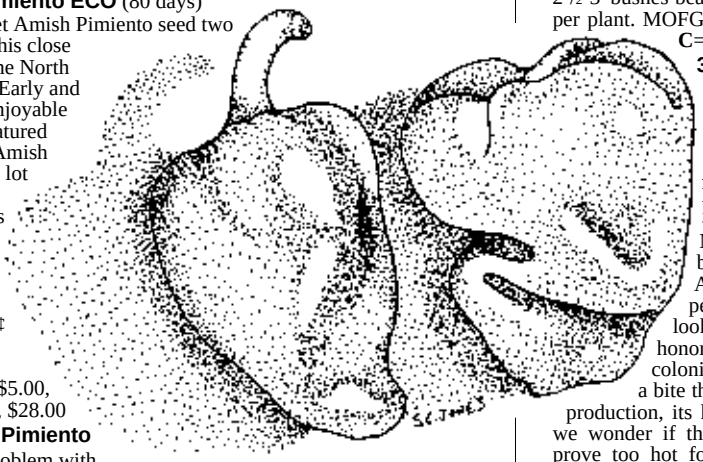
**3730JO Jimmy Nardello's OG** (76 days) This thin-walled 8" frying pepper has won many converts. David Shipman reports his plants one year were so weighed down by peppers that the branches broke. The long curved tapering pointed fruits turn deep red when ripe with shiny wrinkled skin. They have a pleasing sweet mild flavor good raw, in stir fries and, especially, fried. According to Nardello family relative Patty Ruprecht of Pownal, ME, "the *only* way to eat them is to string them, dry them, fry them and salt them." Eat them plain or "better still as a sandwich on Italian bread with a slice of provolone." Listed on Slow Foods' Ark of Taste. Brought to Connecticut from the village of Ruoti in the Basilicata region of Southern Italy in 1887 by Jimmy Nardello's mother. IA-certified. ② **A**=0.2g, $1.30, **B**=0.4g, $2.50, **C**=1g, $5.00, **D**=2g, $8.00, **E**=4g, $15.00



**3735CO Chocolate OG** (80 days) Our warehouse crew is indiscriminate and voracious when it comes to chocolate. But our trial evaluators were much more circumspect, rejecting various strains of chocolate peppers over the years as being far too unproductive until we found this chocolate. Our seed grower reports every plant has at least a dozen fruits, some 20 or 30, so many that some plants are falling over and lying on their sides! 6-8" tapered fruits turn from green to brown. The thickly walled flesh (burgundy-red inside and chocolate outside) has the great taste when ripe that we've looked for all these years. MOFGA-certified. ① **A**=0.2g, $1.50 (~30 seeds), **B**=0.4g, $2.70, **C**=1g, $5.50, **D**=2g, $8.00, **E**=4g, $15.00, **K**=14g, $45.00

**3738CU Cubanelle** (80 days) Our customers asked for this semi-sweet frying pepper. 6x2" waxy yellow-green fruits turn red. Not pungent. ② **A**=0.5g, 60¢ (~82 seeds), **B**=1g, $1.00, **C**=2g, $1.80, **D**=4g, $3.00, **E**=28g, $5.00

**3740WE Sweet Pimiento ECO** (80 days) When we couldn't get Amish Pimiento seed two years ago we found this close substitute grown in the North Carolina mountains. Early and productive with an enjoyable rich fruity taste, it matured significantly before Amish Pimiento in our 2005 lot growout. Though not noted for my prowess with peppers, I harvested several of these red pimientos in the difficult 2004 season. ① **A**=.2g, 80¢ (~20 seeds), **B**=.4g, $1.50, **C**=1g, $2.60, **D**=2g, $5.00, **E**=4g, $9.00, **K**=14g, $28.00



**3741PO Amish Pimiento OG** (85 days) The problem with growing seed for Amish Pimiento is that you have to restrain yourself from eating the seed crop. Blame it on the rich sweet fruity taste of these 2x4" squat ribbed fleshy fruits, productive and relatively early. To steal the slogan from another Waterville entrepreneur (who is in the tattoo business, not the seed business), "Welcome to your next addiction!" *Short crop; order early.* MOFGA-certified. ① **A**=.2g, $1.00, *not available in larger sizes.*

**3744TO Tangerine Pimiento OG** (85 days) Hey, Mr. Tangerine man, bear a fruit for me. It took four years from the time we chose it out of the trials to grow a successful seed crop, but it was worth the wait. Prolific producers of beautiful orange sherbet pimientos, round to slightly flattened 3-4 lobe thick-walled sweet juicy fruits. One trialer reported an average of 8 peppers per plant, with 5 reaching ripeness, the other recorded 15 peppers per plant of which almost all reached their gorgeous orange fullness. The small 2-3" squat fruits are great for eating fresh or roasting. Plants are modest in height and bushy. Stellar-certified. OT-certified. ② **A**=.2g, $1.00 (~24 seeds), **B**=.4g, $1.80, **C**=1g, $3.00, **D**=2g, $5.50, **E**=4g, $10.00, **K**=14g, $30.00

**3746FH Feherozon** (90 days) My first introduction to this extraordinary pepper was in a jar…dried and ground to a wonderfully sweet paprika. I was intrigued. The field reports didn't even consider this aspect, instead extolling Feherozon for incredible productivity: up to two dozen 3x4½" pointed light yellow fruits per plant. One trialer fed her entire neighborhood with these sweet juicy and flavorful peppers. Any not eaten fresh will eventually turn red and can be dried for an absolutely delicious paprika. **BACK!** ①② **A**=.2g, $1.00, **B**=.4g, $1.80, **C**=1g, $3.00, **D**=2g, $4.50, **E**=4g, $8.00, **K**=14g, $24.00

## Open-pollinated HOT PEPPERS

Chiles have been consumed in Mexico for more than 5,000 years. The Aztecs had at least seven different words for hot peppers and the Incas of Peru used peppers as a form of currency. In the States popularity of hot peppers has increased dramatically in recent years. Per capita consumption of chiles now exceeds that of peas, asparagus and cauliflower. 25% of the country's chiles are grown in Hatch, NM, the self-proclaimed "Chile Capital" of the world, which attracts thousands of visitors each Labor Day weekend for their annual chile festival.

Hot pepper eaters enjoy the "constrained risk" of a pleasant thrill which, unlike alcohol, tobacco or coffee addictions, has only a short-term effect and is not health-threatening. Capsaicin compounds cause most of the heat in peppers. Warm nighttime temperatures stimulate maximum development of capsaicins and increase pungency levels. Pungency is expressed in Scoville units, after Wilbur Scoville, an Englishman who devised the method used for eighty years to measure the heat in peppers. If you overdose on hot peppers, milk is almost twice as effective as water in banking the flames, and bread, rice or tortillas are even better. Handle hot peppers with caution; capsaicin is highly alkaloid, can burn skin, and is even an ingredient in self-defense sprays!

**Tasty Golden Greek** (60 days) Strain has too much variation. We are looking for the true strain. *Not available in 2007.*

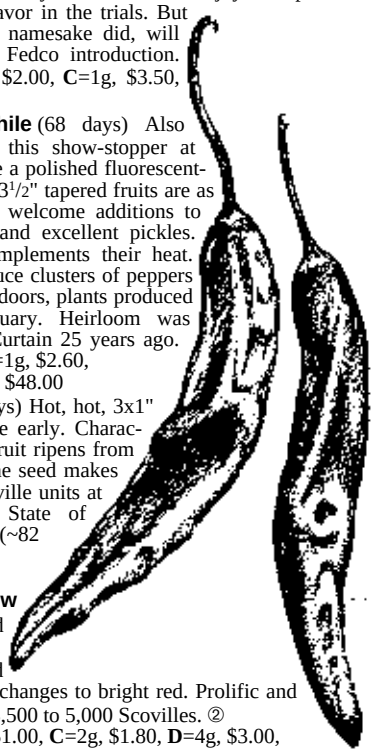
**3751PO Hot Portugal OG** (64 days) Bears elongated narrow fruits, 5-8" long, 1" in diameter with the classic wrinkled hip at the stem end. Superb pepper flavor comes through its considerable heat nicely. Not as hot as Super Chili, but hotter than Early Jalapeño. Early productive ripener of glossy scarlet fruits borne on tall plants. Most will turn straight from green to red, but contains 4% off-types that will turn from green to yellow to red. Listed in the 1935 Joseph Harris catalog. MOFGA-certified. ① **A**=0.2g, $1.10 (~32 seeds), **B**=0.4g, $2.00, **C**=1g, $3.50, **D**=2g, $5.00, **E**=4g, $9.00

**3753CO Czech Black OG** (65 days) This heirloom may bear the most beautiful of all peppers. Black when immature, the 2½" long conical fruits ripen to a lustrous garnet—so striking that seed grower Roberta Bailey kept a bowl on her table just to admire. Mild juicy flesh runs with a cherry red juice when cut. The heat, a tad less than a jalapeño's, is in the ribs and seeds. 2½-3' bushes bear very early, setting about 20 pointed thick-walled peppers per plant. MOFGA-certified. ① **A**=0.2g, $1.50 (~30 seeds), **B**=0.4g, $2.50, **C**=1g, $5.00, **D**=2g, $7.50, **E**=4g, $14.00

**3754HH Hungarian Hot Wax** (68 days) Numerous customers requested this semi-hot type which sets even in cool weather. Smooth waxy yellow 5½x1½" fruits taper to a point. Originated in Hungary, 1941. 700 to 3,000 Scovilles. Nikos' favorite for chile rellenos. ② **A**=0.5g, 60¢ (~82 seeds), **B**=1g, $1.00, **C**=2g, $1.80, **D**=4g, $3.00, **E**=28g, $5.00

**3755HM Ho Chi Minh ECO** (68 days) Longtime Minnesota co-oper Steven Schwen sent us seeds for this beautiful shining yellow cayenne pepper from Southeast Asia. He got it in the 1980s when the first wave of boat people landed in Minnesota and came out to his farm looking for chickens and ducks. He named it Ho Chi Minh in honor of the Vietnamese revolutionary who defeated all the colonialists who invaded his country. According to Schwen it has a bite that says "run home to your mama!" We enjoyed its prolific production, its heat and good flavor in the trials. But we wonder if this pepper, as its namesake did, will prove too hot for Americans. A Fedco introduction. **NEW!** ① **A**=0.2g, $1.10, **B**=0.4g, $2.00, **C**=1g, $3.50, **D**=2g, $5.00, **E**=4g, $9.00

**3756BC Bulgarian Carrot Chile** (68 days) Also known as Shipkas. We first saw this show-stopper at Amy LeBlanc's farm. Colored like a polished fluorescent-orange carrot, the thin-walled 1½-3½" tapered fruits are as hot as they look, and will make welcome additions to chutneys, marinades and salsas, and excellent pickles. Their fruity undertone nicely complements their heat. Plants grow just 18" tall, yet produce clusters of peppers close to the main stem. Brought indoors, plants produced in Amy's greenhouse till February. Heirloom was smuggled here through the Iron Curtain 25 years ago. ②③ **A**=0.5g, $1.40 (~85 seeds), **B**=1g, $2.60, **C**=2g, $5.00, **D**=4g, $9.00, **E**=28g, $48.00



**3764EJ Early Jalapeño** (75 days) Hot, hot, 3x1" sausage-shaped blunt fruits mature early. Characteristic brown netting appears as fruit ripens from dark green to dark red. Packing the seed makes us teary-eyed! 4,000 to 6,500 Scoville units at maturity. From Jalapa in the State of Veracruz, Mexico. ② **A**=0.5g, 60¢ (~82 seeds), **B**=1g, $1.10, **C**=2g, $2.00, **D**=4g, $3.20, **E**=28g, $5.50

**3770CY Long Red Narrow Cayenne** (75 days) Often curled and twisted, the wrinkled peppers grow 5-6" long, ½" across, and taper to a point. Dark green color changes to bright red. Prolific and hot. Pre-1827 heirloom. Pungent; 3,500 to 5,000 Scovilles. ② **A**=0.5g, 60¢ (~100 seeds), **B**=1g, $1.00, **C**=2g, $1.80, **D**=4g, $3.00, **E**=28g, $5.00

**3773MO Matchbox OG** (75 days) Matchbox, a new hot pepper, is a product of many years of dedicated breeding work to create an open-pollinated selection of the hybrid Super Chili. Hungarian Hot Wax and Hot Banana were among the parents. The squat plants bear prolific upright fruit, averaging 2" long, ⅓" across and ripening from pale green to deep scarlet. Like Super Chili, they bear well in cold damp weather, hot dry weather, sandy soils and heavy clay. They have plenty of heat and the characteristic finely cut lightweight leaves of many hot peppers. Can be potted and overwintered. Now fully stable. As one customer put it, "All of my Matchboxes were extremely stable, infinitely much more so than me. Congrats Fedco breeders." Seed grown by Roberta Bailey at Seven Tree Farm. MOFGA-certified. ① **A**=0.2g, $1.50 (~66 seeds), **B**=0.4g, $2.50, **C**=1g, $5.00, **D**=2g, $7.50, **E**=4g, $14.00

> "I spent several weeks this winter reading from six different seed catalogs…Yours far outdid them all—in terms of information, graphics and offerings…Yours is the only one that made me laugh."
> —Jenna Webster, Coatesville, PA

**3778AN Anaheim** (78 days) Also known as California Chile and Chile Verde. It was cultivated for canning in a factory near Anaheim around 1900. Anaheim is the pepper typically used for chiles rellenos. 7" long fruits tapering to a point turn from dark-green to red at maturity. Pungent, but not particularly hot. 900 to 2,500 Scovilles. ② **A**=0.5g, 60¢ (~100 seeds), **B**=1g, $1.00, **C**=2g, $1.80, **D**=4g, $3.00, **E**=28g, $5.00

**3781FO Fish OG** (80 days) Fish may be the most attractive pepper plant on the planet with its distinctive green and white mottled foliage and striped fruits. The 2" curving pendant fruits look a little like swimming fish. They turn from white with green stripes to orange with brown stripes to red, packing considerable heat and full-bodied flavor that especially enhances shellfish. A mutation of a common serrano pepper that probably originated in the 1870s, by 1900 Fish was extensively grown by the black community in the Philadelphia and Baltimore regions. Listed on Slow Foods' Ark of Taste. 2' spreading bush plants benefit from staking. This is not a fish out of water in most parts of New England, but *may require a little too long for the coldest pockets.* Occasional plants will regress to solid green leaves. Rogue out if you are saving seed. Fish crosses readily with other peppers, requiring greater populations and more isolation than most others to remain pure. OT-certified. ② **A**=0.2g, $1.30, **B**=0.4g, $2.40, **C**=1g, $4.50, **D**=2g, $7.50, **E**=4g, $12.00, **K**=14g, $36.00

**3783TO Thai Hot OG** (82 days) Ann Elder gets 200 of these little "sweeties" per plant. She calls them "cute little compact treasures full of heat." Habanero and Limon are our only hotter peppers, as Thai Hot checks in around 80,000 Scoville units. Thai Hot's small conical peppers ripen to bright red and stand erect above the foliage so fetchingly that it's grown "in the trade" as a red and green Christmas potted plant. However, devoted followers of hot cuisine prize the sparks it creates. Early pinching will produce a bushy 8" plant that can be pulled, roots and all, and hung to dry for winter use or grown inside for both ornamental and edible enjoyment. MOFGA-certified. ① **A**=0.2g, $1.60 (~66 seeds), **B**=0.4g, $2.80, **C**=1g, $5.50, **D**=2g, $8.00, **E**=4g, $15.00, **K**=14g, $50.00

**3792AO Ancho 101 OG** (85 days) Known as Ancho when dried, Poblano when used fresh, this Mexican favorite is wonderfully versatile. Uniform 4x2" thick-walled shiny dark green fruits mature into a deep red. Shaped like a pointed bell with 2 to 3 lobes, the peppers have little heat in the flesh, storing their mildly pungent flavor in their pith and seeds. A heavy cropper in hot climates, Ancho is not "peppered with peppers" in northerly climes like ours. To equal or better their average yield here of four fruits per plant, take care to start them early and protect the first blooms. 1,500-4,000 Scoville units. **BACK!** MOFGA-certified. ① **A**=0.2g, 80¢, *not available in larger sizes.*

**3794LO Limon Chile OG** (88 days) *C. frutescens* Like it hot? Really hot? Don't mind fussing a little to get it as hot as you desire? Limon Chile is for you, a yellow version of the Habanero with a similar infernal heat and the signature oily fruity smoky flavor. Like Habanero, Limon needs some TLC to thrive in Maine, with slitted row cover or hoop house culture recommended. Roberta had great crops in successive years using first the slitted covers then the hoop house. Slightly easier to grow and higher yielding than Habanero, Limon will reward your loving attention with an astonishing set of 30 or more peppers per plant. The pendulous bright lemon-yellow fruits are wrinkled and shiny like Habaneros, but narrower, 1/2" wide and 1 1/2" long, tapering to a point like an elongated reverse teardrop. We thank Tim Pellows of Tolstoy Farm in Washington for sending us seed for this fascinating hot pepper four years ago. MOFGA-certified. ① **A**=0.2g, $1.60, **B**=0.4g, $2.80, **C**=1g, $5.50, **D**=2g, $8.00, **E**=4g, $15.00, **K**=14g, $50.00

**3796HB Habanero** (90 days) *C. f.* The name means "from Havana," although they really are from other parts of Cuba and the Yucatan. A Scotch Bonnet-type, Habanero is one of the most fiery peppers in cultivation, registering a blistering 200,000-350,000 Scoville units, depending on how hot the growing season, from 30-80 times as hot as an Early Jalapeño. Each 1 1/2' plant will set 10-20 pendulous fruits which turn from dark green to tangerine as they mature. Fruits are somewhat wrinkled from stem to tip, with a distinct flavor you will always recognize once you've tasted them. A key ingredient in West Indian jerk sauce. We recommend greenhouse culture for the northern third of our sales area where consistent nighttime temperatures below 70° make productivity outdoors iffy. ② **A**=0.5g, 90¢ (~115 seeds), **B**=1g, $1.50, **C**=2g, $2.40, **D**=4g, $4.00, **E**=28g, $18.00

# Hybrid PEPPERS

## Hybrid SWEET PEPPERS

The varieties marked 'SHC' were cleaned with a sodium hypochlorite rinse to reduce risk of seed-borne disease. SHC treatment poses no health threats.

**3810AC New Ace** (60 days) "With all the different varieties I've grown, consistently the heaviest and earliest producers…and earliest to turn red. Through wet and cold, dry and hot, you name it, they are tops," writes Janine Wellsby. A cinch to grow in the North. Resists blossom drop even in adverse weather so that almost every flower produces. Fruits thin-walled, not blocky, turn red early, good for the home garden. New Ace is an improvement on the old strain, producing fewer misshapen pointy peppers, but still not a majority of classic blocky 4-lobed commercial peppers. ⑤ **A**=0.2g, $1.40 (~40 seeds), **B**=0.4g, $2.60, **C**=1g, $5.20, **D**=2g, $10.00, **E**=4g, $18.00, **K**=14g, $60.00

**Fat 'n Sassy** (63 days) We have reluctantly dropped this Seminis/Monsanto variety. *Not available in 2007.*

**3820NS North Star** (65 days) Early productive sweet pepper sets a high percentage of blocky medium-sized thick-walled green fruits ripening to red. North Star has sufficient foliage cover to prevent sunburn. If you're ready to try for a red pepper that's a little classier than Ace, choose North Star. TMV resistant. *We have enough supply of this Seminis variety to carry into 2008.* ⑥ **A**=0.2g, $1.60 (~33 seeds), **B**=0.4g, $2.80, **C**=1g, $6.80, **D**=2g, $13.00, **E**=4g, $24.00, **K**=14g, $75.00

**3830TU Turino** (68 days) Rejoice, Turino fans! We've again found a source for this elusive roasting pepper. In Turino's honor, we've resurrected our original description:

Red roaster, red roaster you sure have it all.
Red pendant massed peppers; it's not even fall.
Red roaster, red roaster they say you're so sweet.
Over six inches long, delicious, no heat.
Red roaster, red roaster you have such thick walls.
They surely won't crumble, not even in squalls.
Red roaster, Turino you're ripe 'fore full color.
I prefer you deep red, but you're tasty when duller.
Red roaster, Italian not shaped like a bell.
Square bottoms, then tapered, but oh, what the ____!
Red roaster, red roaster you're great for the North!

Which is why we continue to offer you forth! **BACK!** ② **A**=0.1g, $1.80, **B**=0.2g, $3.50, **C**=0.4g, $6.50, **D**=1g, $15.00, **E**=2g, $28.00, **K**=8g, $100.00

**3832RK Red Knight X3R®** (69 days) Don't be checkmated by the lack of a big blocky thick-walled early pepper. These fruity sweet peppers have really impressed us even in cold, rainy years. Very early for a pepper of such high quality, the shiny attractive 4 1/2x4 1/2" fruits of the King Arthur type ripen from dark green to an intense red. Strong compact upright plants pack a bundle of disease resistance, to BLS1,2,3, PY and TMV. *This is the last year we will offer this Seminis variety.* ⑥ **A**=0.1g, $1.80, **B**=0.2g, $3.50, *not available in larger sizes.*

**3834SP Spanish Spice** (70 days) Not spicy at all, despite its name. It is instead an outstanding Italian frying pepper—tapering, thin-walled and deliciously rich-flavored. Moreover, the plants are sturdy, keeping the large 7" fruits off the ground (a frequent failing of other fryers). Provides lots of green peppers and even a few red ones if you have either skill or luck. Resistant to TMV. *We have enough seed of this Seminis variety to carry into 2008.* ⑥ **A**=0.2g, $2.00 (~30 seeds), **B**=0.4g, $3.80, **C**=1g, $9.00, **D**=2g, $16.00, **E**=4g, $32.00, **K**=14g, $110.00

**3836CM Carmen** (70 days) Bizet's Carmen opened in 1875 to much controversy and the scathing denunciation of most critics, but is now the world's 4th most-performed opera. Johnny's Carmen debuted in 2006 to much critical acclaim, including a coveted All-America Award, their sixth in the last 14 years. We wouldn't be shocked if the pepper were still grown as widely in 131 years as the opera is performed now. A classic Italian Corno di Toro type, Carmen features unusually sweet horn-shaped tapered pointed 2 1/2x6" fruits averaging 5 oz. Great for salads and roasting, especially as they ripen from green to deep carmine. Upright medium-sized plants with good protective canopy. Widely adapted and early maturing in its class. Bizet's Carmen was a beautiful gypsy with a fiery temper responsible for the downfall of many men. Rob and Janika's Carmen could prove equally tempting to the taste buds, though with much more salutary results. **NEW!** ③ **A**=0.1g, $1.80, **B**=0.2g, $3.50, **C**=0.4g, $6.50, **D**=1g, $15.00, **E**=2g, $28.00, **K**=8g, $100.00

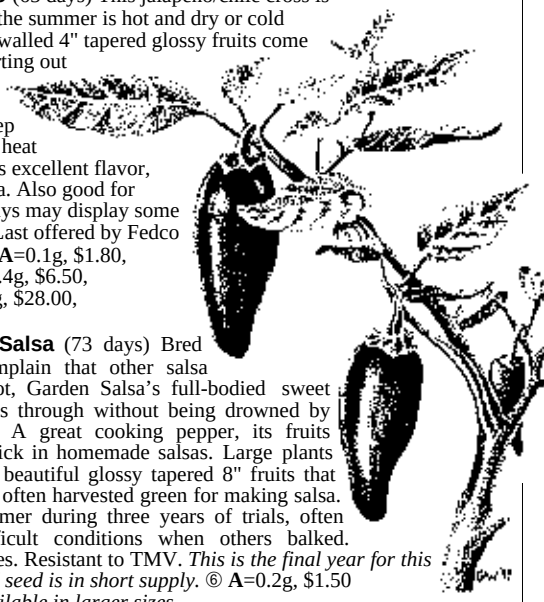
**3839VC Valencia** (72 days) Mature rich orange fruits will attract attention at potlucks, markets or fair exhibition halls. Valencia bears four-lobed blocky 4x4" fruit on plants with good foliage cover. Resistant to TMV and tolerant to stip. SHC. ⑤ **A**=0.1g, $1.40 (~12 seeds), **B**=0.2g, $2.60, **C**=0.4g, $5.00, **D**=1g, $9.00, **E**=2g, $16.00, **K**=8g, $60.00

**Big Bertha PS** (72 days) Seminis/Monsanto variety Big Bertha is gone. *Not available in 2007.*

## Hybrid HOT PEPPERS

**Sugar Chile** (65 days) We have dropped this variety because we can no longer get a supply. *Not available in 2007.*

**3857CP Chilipeño** (65 days) This jalapeño/chile cross is productive whether the summer is hot and dry or cold and damp. Its thick-walled 4" tapered glossy fruits come to a blunt point. Starting out green with a purplish-black blush, they ripen deep scarlet red and pack heat like a jalapeño. Adds excellent flavor, medium heat to salsa. Also good for roasting. Supplier says may display some genetic variability. Last offered by Fedco in 2003. **BACK!** ② **A**=0.1g, $1.80, **B**=0.2g, $3.50, **C**=0.4g, $6.50, **D**=1g, $15.00, **E**=2g, $28.00, **K**=8g, $100.00



**3872GS Garden Salsa** (73 days) Bred for those who complain that other salsa varieties are too hot, Garden Salsa's full-bodied sweet pepper flavor comes through without being drowned by capsaicin overload. A great cooking pepper, its fruits provide plenty of kick in homemade salsas. Large plants bear up to a dozen beautiful glossy tapered 8" fruits that ripen to red, but are often harvested green for making salsa. A consistent performer during three years of trials, often bearing under difficult conditions when others balked. 2,500-3,500 Scovilles. Resistant to TMV. *This is the final year for this Seminis variety, and seed is in short supply.* ⑥ **A**=0.2g, $1.50 (~20 seeds), *not available in larger sizes*.

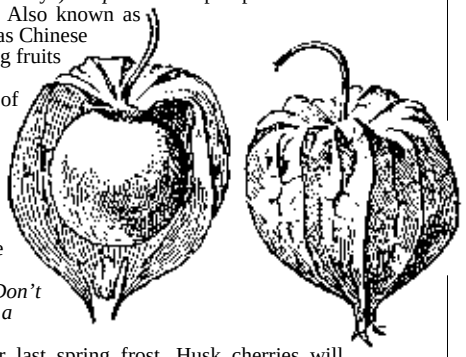
**3878SS Serrano del Sol** (75 days) Our first serrano-type pepper, by far the best we've seen. Serrano means "from the mountains." 2½-3' plants just loaded with peppers, 20-30 per bush. Glossy cylindrical fruits exceed 3", larger than other serranos. The narrow green fruits with thick walls ripen dark scarlet with the heat of a hot Hungarian Wax, mild as Serranos go, but plenty hot at 4,500-5,500 Scoville units. Tips are the sweetest part, heat increases toward stems. Native to the mountain ridges of Mexico and used in fiery Mexican dishes. Also eaten fresh green in sauces and condiments. Can be used interchangeably with jalapeños. Resistant to TEV, PY and PPMV. *We have a two-year supply of this Seminis variety.* ⑥ **A**=0.1g, $1.50 (~13 seeds), **B**=0.2g, $2.60, **C**=0.4g, $4.20, **D**=1g, $9.50, **E**=2g, $17.00, **K**=8g, $60.00

**Super Chili** (75 days) We have dropped this Seminis/Monsanto variety. *Not available in 2007.* We recommend #**3773** Matchbox.

**3897SH Some Like it Hot Mix** (64-90 days) Love hot peppers but lack the space to try separate packets of each? Our blend of seed for 5-7 different kinds all in one packet is just for you. We'll mix colors, shapes and flavors and include both open-pollinated and hybrid varieties. **A**=0.2g, $1.30, **B**=0.4g, $2.50, **C**=1g, $5.00, **D**=2g, $9.00, **E**=4g, $16.00, **K**=14g, $55.00

## PHYSALIS

**4008HC Husk Cherry** (77 days) *P. pruinosa* Open-pollinated. A treat inside every paper wrapper! Also known as Ground Cherry, same genus as Chinese Lantern and tomatillo, bearing fruits which ripen inside their protective husks. As clusters of berries sweeten, they turn from green to golden yellow, drop off the decorative branching plants, and reach perfection as their husks thin to a near-gossamer papery consistency. The berries have an indescribable nutty flavor that is great for raw snacks. *Don't eat them green—they can be a powerful emetic*. Culture like tomatoes, transplanting after last spring frost. Husk cherries will tolerate a touch of frost but give up when temperatures dip below 30˚. In a good year, about half will ripen in time. Will readily self sow, although volunteers never mature as quickly as those started indoors. ③ **A**=0.5g, 90¢ (~700 seeds), **B**=1g, $1.50, **C**=2g, $2.50, **D**=4g, $4.00, **E**=28g, $20.00



**Toma Verde Tomatillo** (77 days) *P. ixocarpa* We have dropped this Seminis/Monsanto variety and replaced it with #**4014** Verde Puebla. *Not available in 2007.*

**4014VO Verde Puebla Tomatillo OG** (77 days) *P. i.* Open-pollinated. To make salsa, harvest golf-ball sized green fruits when their papery husk splits. Or allow them to turn slightly yellow for a tangy nutty raw snack. They will split before becoming fully ripe. Verde stood out as having the sweetest flesh in our trials. Plants up to 3' put out a huge crop of the 1¼-2" green balls. Ready for salsa in mid-August. **NEW!** MOFGA-certified. ① **A**=0.2g, $1.20 (~265 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

# TOMATOES *Lycopersicon esculentum*

**9,000 seeds per oz, 0.2 g pkt ~60 seeds, 0.5 g pkt ~150 seeds.**

Tender, cannot tolerate frost. Must be started indoors Feb-April. Require warm temperatures to germinate. Avoid using hot manure as it causes lush foliage with few ripe fruits. Instead use generous amounts of well-rotted compost or cow or horse manure to boost plant vigor, and crushed eggshells at the bottom of each hole for calcium. Heavy phosphorus needs. Respond well to foliar sprays. **Determinate** (**det**) bush varieties may be staked, should not be pruned. **Indeterminate** (**ind**) climbing varieties are customarily staked and pruned. Caging without pruning delays ripening, reduces fruit size but increases production, prevents sunburn and reduces fruit cracking and rotting. Staking and pruning produces earlier larger fruits. One reason not to stake or prune (besides sheer laziness!) is that foliage will give fruits some protection against light September frosts. Tomato experts Carolyn Male and Kokopelli's Dominique Guillet both oppose pruning, arguing the more abundant the foliage the more the photosynthesis.

Large-fruited varieties with low fruit set and high sugar content are most prone to crack. To reduce cracking avoid heavy watering and large fluctuations in day/night temperatures and maintain adequate calcium levels in your soil.

Troubled by green or yellow shoulders? Green shoulders occur when fruit temperatures remain too high for a prolonged period or when the fruit receives too much direct sun exposure. To reduce incidence: prune properly or not at all and maintain good foliage cover. Ohio State research shows that increasing soil organic matter to over 3.5% while keeping pH at 6.4 or lower also helps.

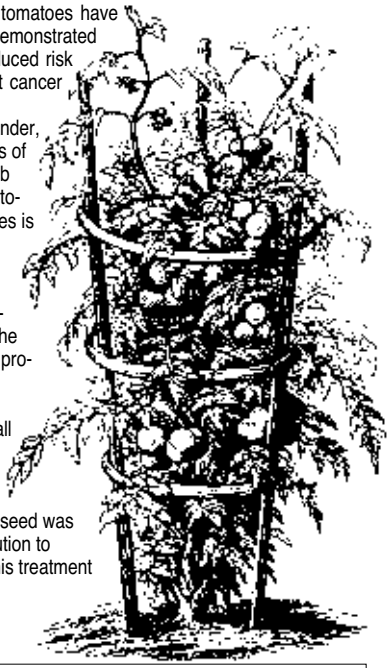
More than 100 different chemical compounds account for tomato taste. Lycopene is a red carotenoid pigment found in mature tomatoes raw or cooked. Reddest, ripest tomatoes have the most lycopene. A Harvard study demonstrated that high lycopene intake sharply reduced risk of prostate cancer in men and breast cancer in women.

According to Lawrence Davis Hollander, Americans consume 4.8 billion pounds of fresh tomatoes annually, or about 18 lb per person, not including homegrown tomatoes. Outdoor cultivation of tomatoes is a $1.1 billion industry, with 130,000 acres in production. The processing tomato industry uses an additional 300,000 acres, producing 23 billion tomatoes valued at over $500 million. The average American consumes 72 lb of processed tomatoes each year.

While the Chinese call tomatoes "barbarian's eggplants," Taiwanese call them "nectar of tangerine."

For all tomatoes, days to maturity are from date of transplanting.

Organically and sustainably grown seed was rinsed with a sodium hypochlorite solution to reduce risk of seed-borne disease. This treatment poses no health risks.



Diseases: Bacterial Canker, Spec and Spot
Cultural controls: disinfect greenhouse materials & cages, farming tools & gloves, avoid overhead irrigation, rotation, don't work crop when wet, use compost.
Material: Champion WP copper (#**8803**).

Disease: Anthracnose
Cultural controls: rotation, mulching, minimize plant wetness, staking, use compost

Disease: Early Blight
Cultural controls: rotation, avoid stressing plants, staking, keep leaf wetness to a minimum, mulching, indeterminate varieties are more resistant/tolerant, disinfect stakes & cages.
Material: Trichoderma harzianum (Root Shield #**8521**, Plantshield #**8522**).

Disease: Late Blight
Cultural controls: Destroy cull potatoes & potato volunteers, avoid overhead irrigation
Material: copper compounds.

Disease: Septoria Leaf Spot
Cultural controls: space plants for good air circulation
Materials: copper products.

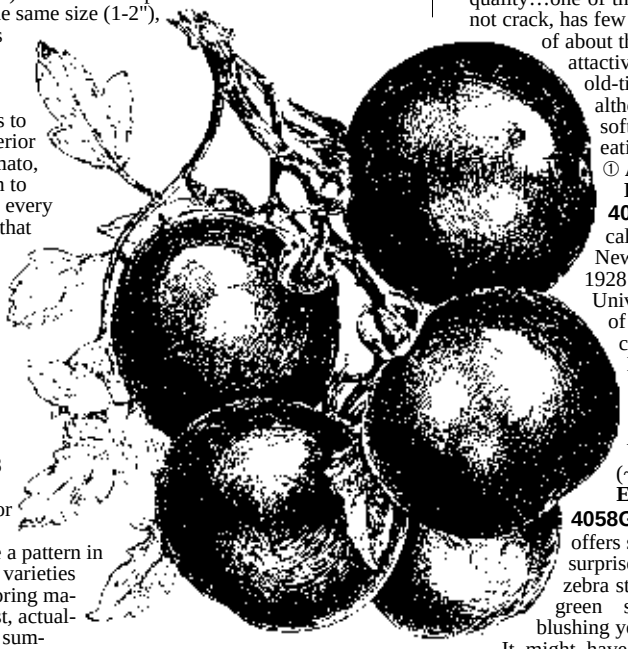
Pest: Tomato Hornworm
Control: Look for frass (droppings) and handpick.
Material: Bt *kurstaki* (#**8902-3**), Spinosad (#**8922-3**).

Pest: Tarnished Plant Bug
Cultural controls: Floating row covers (#**9101**), good weed control.
Material: try Pyrethrum (#**8924**) or Neem (#**8858**) products.

## Open-pollinated TOMATOES

See also #**6422** Mark Twain.

**4018LO Glacier OG** (56 days) Det. Glacier ripens around the same time as the sub-arctics with about the same size (1-2"), and almost no cosmetic defects except yellow shoulders, but there the comparisons end. Glacier's rich tomato flavor relegates the insipid sub-arctics to the compost pile. It is also superior to the highly touted Siberia tomato, to Stupice, to Early Temptation to Bloody Butcher and, in fact, to every other tomato in the same class that we've tried. Originally from Sweden, 1985. Potato-leaf foliage. Michael Goldman of Freeland, MD, reported having ripe fruit by June 15 two years in a row. NOFA-VT or MOFGA-certified. ①② **A**=0.2g, $1.20 (~65 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00



**4024SP Oregon Spring** (58 days) Det. Recommended as a "hedge" in northern climates for cold summers like 1992, 1996, 2000 and 2004. (Do you notice a pattern in these dates?) When most other varieties fail to ripen in time, Oregon Spring matures good-sized fruit in August, actually performing best during cool summers. Develops more cosmetic defects in the heat and humidity. Bears succulent almost seedless fruits, up to 4" but somewhat variable. Tastes unusually good for such an early variety. Bred and developed from Russian parents by Dr. James R. Baggett of Oregon State University. Potato-leaf foliage. Not suitable for market growers. Resistant to V. ② **A**=0.5g, 90¢ (~250 seeds), **B**=1g, $1.60, **C**=2g, $2.80, **D**=4g, $4.20, **E**=28g, $16.00

**4032GO Ida Gold OG** (59 days) Det. Often these delightful orange 2-bite low-acid fruits are the first tomatoes to ripen for us. They are early and prolific even in bad tomato years. Developed specially for the North by the University of Idaho. An indifferent performer in so-so soil, but a bountiful yielder when fed compost and rotted manure. MOFGA-certified. ① **A**=0.2g, $1.20 (~105 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4038CO Cosmonaut Volkov OG** (65 days) Ind. "Cosmonaut…is a great commercial variety, almost indistinguishable from Jet Star; maybe not quite as productive but it holds on the vine better for me," writes Ervin Meluleni of Bernardston, MA. Always good and occasionally sublime (the best two tomatoes I've ever eaten were Cosmonauts from different gardens in different years), Cosmonaut delivers the true tomato taste. And it is early, usually ripening quantities of deep red slightly flattened 8-12 oz. globes at the beginning of August when tomato craving is at its peak. Even in cold summers, it will produce dependably by mid-August. What makes Cosmonaut so special? In a word, the juice: sweet rich and full-bodied. Cosmonaut was named for the Russian explorer who fell through space. From Dnepropetrovsk in the Ukraine, brought to America by the Seed Savers Exchange. Our motto: Out of outer space and into your mouth! MOFGA-certified. ① **A**=0.2g, $1.20 (~65 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4046PO Garden Peach OG** (71 days) Ind. Who needs tomatoes genetically engineered for long shelf life? For well over a century savvy gardeners have brought Peach's little fruits indoors before frost to keep for several months. 2 oz. yellow fruits blush pink when ripe and have thin fuzzy skins somewhat like peaches. Relatively early, prolific, soft-skinned, juicy and very sweet. "My two [plants] must have yielded hundreds of fruits," says Lillian Kuo. Light fruity taste is not what you'd expect in a tomato. Burpee in 1893 called it "delicate, melting in the mouth like a grape." Known as *Pêche Jaune* in France, introduced in America by James J.H. Gregory in 1862. MOFGA-certified. ① **A**=0.2g, $1.20 (~250 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4048RO Pruden's Purple OG** (72 days) Ind. We usually cooperate well at Fedco and tolerate each others' peculiarities *except* during tomato taste tests. When we compare tomatoes, a subject about which we are all impassioned, tolerance evaporates and remarks are made about "people who have no taste buds," who "eat yellow tomatoes" and who "put sugar in their sauce." CR thinks you don't need Pruden's if you have Brandywine. Susan and David like Brandywine fine but think Pruden's tastes better and ripens three weeks earlier in hot seasons. Opinions aside, Pruden's is early for its size, and makes a great sandwich tomato. Its vigorous potato-leaf vines yield spreading irregular pink 1 lb. fruit with very few seeds, a silken texture and rich tomato taste, nicely tart with a balanced undertone of sweetness that is neither insipid nor cloying. Maryland growers Brett Grohsgal and Michael Goldman praise its flavor, productivity and disease resistance. MOFGA or CCOF-certified. ①③ **A**=0.5g, $1.20, **B**=1g, $2.20, **C**=2g, $3.80, **D**=4g, $7.00, **E**=28g, $42.00

**4054BO Bonny Best OG** (75 days) Ind. Developed in 1908, a selection of Chalk's Early Jewel. Described by Stark's in 1924 as "intense flaming scarlet…" with "flesh solid, meaty, slightly acid and of splendid table quality…one of the best main crop varieties…colors clear to the stem, does not crack, has few seeds, no green core and ripens easily; is borne in clusters of about three to five, is round, somewhat flattened, and smooth and attactive on the bush and in the crate." Always rich-tasting, this old-time canning variety is also fine for the home garden although too prone to catfacing for market growers and too soft to stand much handling. Medium-sized fruits great for eating whole right in the garden. **BACK!** MOFGA-certified. ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4057TO Rutgers OG** (75 day) Ind. Two varieties are called Rutgers. We sell the original strain of this famous New Jersey tomato, developed by Campbell's Soup Co. in 1928 as a cross between Marglobe and JTD. When Rutgers University "refined" the variety in 1943, they took out some of the vininess but also some of the flavor. Our taste tests confirm that the original indeterminate strain is better. Long considered an outstanding slicing, cooking and canning tomato, the medium-sized 5-8 oz. unblemished deep oblate fruits with rich red interior and pleasing texture have that great old-time flavor. Resistant to F1, V1, ASC and GLS. MOFGA-certified. ① **A**=0.2g, $1.20 (~135 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4058GO Green Zebra OG** (77 days) Ind. Amy LeBlanc, who offers seedlings for 150 different varieties, called it "a wonderful surprise." A most unusual beast in the tomato menagerie, this zebra starts out green with dark green stripes, softening and blushing yellow when it ripens. It might have remained a mere curiosity, but for its scrumptious sweet rich flavor. 4-5 oz. small-medium fruits are emerald green inside. "They have the texture of a kiwi," says David Zemelsky of Star-Light Gardens in CT. Perfect exteriors, hold up under adverse conditions and don't crack. Now commonly found in upscale markets. Developed by Tom Wagner of Tater Mater Seeds in 1985. Kent Whealy, founder of the Seed Savers Exchange, ranks it in his top ten tomatoes. Susceptible to Septoria Leaf Spot. OT-certified. ② **A**=0.2g, $1.20 (~165 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

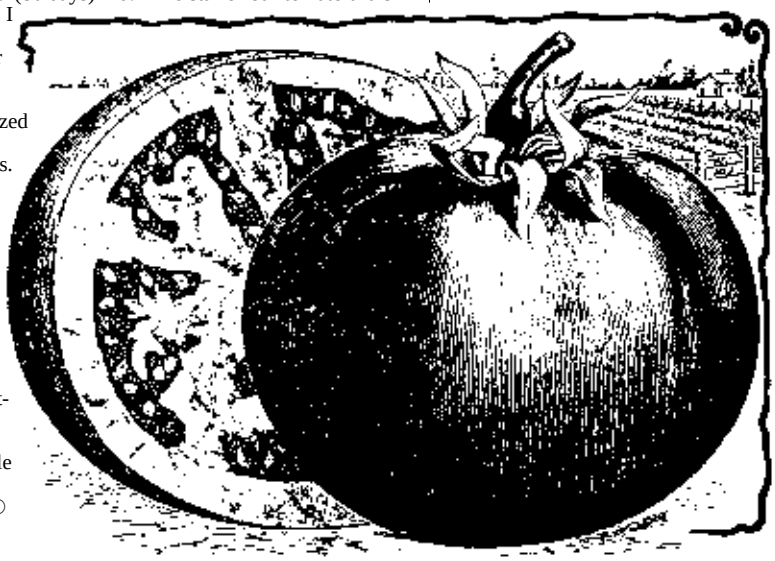
**4059CO Cherokee Purple OG** (77 days) Ind. but with relatively short vines. No list of the best-tasting heirloom tomatoes would be complete without Cherokee Purple, an unusual variety from Tennesee, said to have originated with the Cherokee Indians. Fruits are globes to slightly oblate, averaging 10-13 oz, with dusky brownish-purple skin, dark green shoulders and brick-red flesh. Their real attraction is their rich taste, which has been described as "smoky," "sweet rich juicy winey," "delicious sweet," and "rich brandywine flavor" by some of the 20 aficionadoes who are maintaining it in the Seed Savers Exchange. Ranks in my top five for flavor. Sarah Stahl says it "turns skeptics into believers with one bite." Expect some concentric cracking. Amy LeBlanc suggests the vines should not be pruned because the delicate fruits sunburn easily. IA or CCOF or MOFGA-certified. ①②③ **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4061KO Black Krim OG** (80 days) Ind. Maine market grower Scott Howell says Black Krim outproduced Pruden's Purple in his greenhouse. Offering Black Krim as exhibit A, he testifies that most people are waiting too long to harvest their heirloom tomatoes. Krims should be harvested when half green and still firm. They are dead ripe and perfectly delicious at that stage. If you wait till they are fully purple, you will not be able to get them from garden to table intact (to say nothing of market) and they will disintegrate like a hunk of road-kill. Krims are strikingly iridescent purple on the outside, usually with dark green-black shoulders and noticeable catfacing. Interiors are part black, too, with an unusual juicy yet meaty taste and texture, described as having "…a smoky flavor like a good single malt scotch." "You're right on with Black Krim. I might plant nothing else," concludes Kelly Harrigan of Bennington, NH. Fruits average 12-18 oz. Heirloom Krim hails from Krymsk on the Black Sea in Russia. MOFGA-certified. ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

"I love your catalogue and your seeds. It is so much fun to have the neighbors come by and marvel at the unique varieties and abundance of harvest. I knocked them for a loop with the Garden Peach tomatoes. Loved them!"
—Karen Boerboon

**4065JO Jubilee OG** (80 days) Ind. Also known as Golden Jubilee. Nikos discovered Jubilee at a Waldo County Extension taste test at Unity College. The best medium-sized open-pollinated orange tomato, Jubilee ripens smooth-textured sweet mild meaty 8 oz. globes. Pruning will produce larger fruits. Nikos brought me back one from the tasting and it was super, almost on a par with Goldie both for texture and flavor. Jubilee is smaller than Goldie and less prone to blemish. A cross between Tangerine and Rutgers, it won an AAS for Burpee in 1943. Resistant to ASC. MOFGA-certified. ① **A**=0.2g, $1.20 (~120 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4067RO Rose de Berne OG** (80 days) Ind. "The star of our tomato trials was Rose de Berne….Felt like I was a real farmer with these beauties," exulted Louie Pulver of Surfin' Veggie Farm in East Hardwick, VT. This French emigré is a superior medium-sized pink tomato that delivers the robust flavor of the bigger types. It bested some formidable competition in our trials—including June Pink, Gulf State Market and the celebrated Eva Purple Ball. It has a rich sweetness the others can't match. I found myself popping one juicy 5 oz. translucent smooth pink fruit after another into my mouth. No slouch in the appearance department either, the unblemished globes are perfectly round, the soft skins not excessively fragile and the color and size very attractive. MOFGA-certified. ① **A**=0.2g, $1.20 (~60 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00



**4069JO German Johnson OG** (80 days). An old heirloom probably from Virginia or North Carolina. This large ind. regular-leaf plant, one of the parents of Mortgage Lifter, is known for its copious yields of pink meaty fruits, mild but with more than a touch of sweetness. They often exceed 1 lb. MOFGA-certified. ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4071SD Soldacki** (80 days) Ind. You won't find a better sandwich tomato than Soldacki, a heavy producer of meaty tasty 14 oz. pink globes with a good mix of sweetness, tartness and real tomato flavor. Tall vigorous potato-leaf vines. Originally from Krakow, Poland, brought to Cleveland, OH, around 1900, then to Albany, NY. Prone to cracking in wet seasons. Maine-grown seed. ① **A**=0.2g, 90¢ (~50 seeds), **B**=0.4g, $1.60, **C**=1g, $2.80, **D**=2g, $4.20, **E**=10g, $18.00

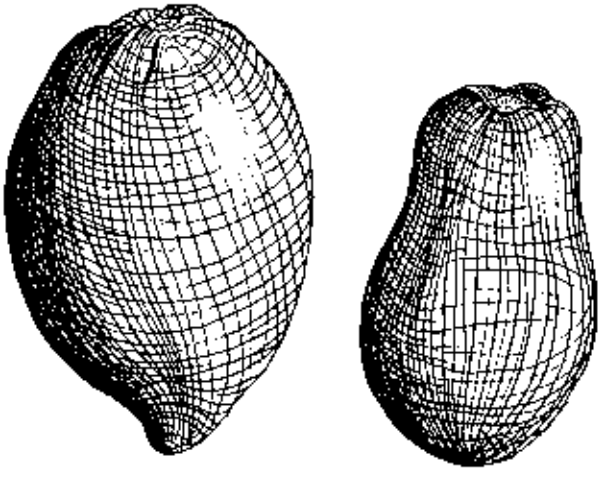
**4075BO Brandywine OG** (82 days) Ind. with potato-leaf foliage. Mike Nadeau in CT opines, "For my taste nothing beats a ripe 1½ lb. Brandywine. It can be a bear to grow well, with catface and Early Blight being a problem, but it is well worth it." Meaty with just the perfect hint of tartness, pink Brandywine is the tomato most responsible for the revival of interest in heirlooms. Introduced in 1889 by Johnson & Stokes, a Philadelphia seed house, and offered by Ford Seed Co, W. Ravenna, OH, for $1.75 per lb. in 1902. The oblate beefsteak-type fruits average right around a pound. Although they ripen unevenly throughout the season, at least a few will be quite early for such a large tomato. My first one often beats my first Pruden's Purple, but don't tell that to Susan or David! This is the Quisenberry strain. MOFGA or IFOAM-certified. ① **A**=0.5g, $1.20 (~190 seeds), **B**=1g, $2.20, **C**=2g, $3.80, **D**=4g, $7.00, **E**=28g, $42.00

**4076YO Yellow Brandywine OG** (82 days) Ind. Growing Yellow Brandywine can be maddening. When she's good, she's very very good, but when she's bad she's awful. All strains (and there are several) develop irregularly-shaped fruits in Maine's extreme weather fluctuations. Compost the weird-looking fruits; enjoy the good ones! There is a close correlation here between looks and eating quality; the good ones are remarkably smooth, with a creamy texture and rich complex tangy flavor that makes you want more. Large slightly ribbed 1 lb. fruits with an identifiable ring scar at the blossom end. Not the highest yielding. Potato-leaf foliage. In the running for best golden tomato, but by no means a shoo-in. Maintained by 14 seed savers. MOFGA-certified. ① **A**=0.2g, $1.20 (~100 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $24.00

**4077NO Pineapple OG** (85 days) Ind. The striped tomatoes are among my favorites. They have great names like Hillbilly, Mr. Stripey-Tigerella, Georgia Streak and Pineapple, silky smooth textures and complex, fruity tastes. They tend to be a little funky cosmetically and often grow huge, 1 lb. or more. Pineapple, Amy LeBlanc's favorite salad tomato, is certainly characteristic—and may be the best of the genre. Cut in half, it looks like the interior of a pineapple except with yellow and red marbling. It doesn't taste like a pineapple, though, nor like a typical red tomato, either. Its unique mild low-acid fruity sweetness needs a fruit name all its own. Originally from Kentucky, but our seed stock came from Martha Gottlieb of Common Ground Fair Exhibition Hall fame. MOFGA-certified. ① **A**=0.2g, $1.20 (~150 seeds), **B**=.4g, $2.00, **C**=1g, $3.20, *not available in larger sizes.*

**4080AO Aunt Ruby's German Green OG** (85 days) Ind. Called by vintage tomato collector the late Chuck Wyatt "the biggest surprise I've ever experienced in tomatoes." Until you try it, you won't believe a green tomato could be this good. I rate it second only to Brandywine for flavor and it is on just about everyone's top ten list. Oblate 12-16 oz. fruits blush lightly yellow and develop an amber-pink tinge on the blossom end when ripe. Watch closely and don't allow them to get too soft before picking. The green flesh of this beefsteak is faintly marbled with pink. Flavor sweet and tart, rich and spicy. The central large tomatoes are the best. Flavor deteriorates when cold weather sets in. Created a sensation at our staff taste-testing in September 1996, where it was rated "good" or "excellent" by all who tried it. Aunt Ruby's is not just the best green eating tomato, it also makes a delicious basis for salsa verde. From Ruby Arnold of Greenville, TN, who got it from her grandfather who brought it from Germany. MOFGA or OT-certified. ①② **A**=0.2g, $1.20 (~46 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4084HO Schimmeig Striped Hollow OG** (85 days) Ind. Though sales have never been more than anemic, we refuse to drop this spectacular mostly-hollow stuffing tomato, a beautiful gem in the fall garden. Sturdy plants filled with clusters of 2½-5 oz. red fruits delicately painted with thin stripes of gold. Perfectly shaped like small tri-lobed bell peppers, Schimmeigs stand up straight, hold their shape and melt in your mouth. Originally from Germany. *Special: price reduced.* MOFGA-certified. ① **A**=0.2g, $1.00 (~59 seeds), **B**=0.4g, $1.80, **C**=1g, $3.00, **D**=2g, $5.00, **E**=10g, $18.00




**Our Mailing List**

We never sell our mailing list.

If we are sending you too many catalogs, let us know so we can save both trees and money.

We never give out names of people who've requested our catalog but have not yet ordered from us. Occasionally we receive requests from individuals seeking groups with whom to order. If you don't want us to give out your name, please let us know.

**4087TO Tiffen Mennonite OG** (86 days) Ind. Tiffen has many similarities to the more famous Brandywine—potato-leaf foliage, pink skin, and rich, rich old-fashioned tomato taste which has twice drawn raves at tastings at staff annual meetings. The large rough oblate beefsteak fruits (avg. 15 oz.) are a tad bigger and later than Brandywine. For a superb sandwich tomato or a fresh garden snack, heirloom Tiffen is hard to top! OT-certified. ②
**A**=0.2g, $1.20 (~60 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4091LO Lillian's Yellow Heirloom OG** (88 days) Ind. "True tomatoheads worship the heirlooms, your Cherokee Purple, your Aunt Lillian, your Aunt Ruby…" writes Ann Gerhart of the *Washington Post.* Gerhart put Lillian in this select company for good reason. Lillian's may be a little late, not coming on until September, but she is worth waiting for. Her superb creamy consistency, meaty flesh, and complex of rich deep flavors make her the best-tasting clear tomato, a perfect balance of engaging sweetness and intriguing citrus quality in every 1 lb. fruit. These won't win any beauty contests, being bilobed, oblate and a bit lopsided, but will win tasting contests. One bite into one of these beefsteaks and you'll forget about its superficial shortcomings. Lillian's rarely shows up in seed catalogs because it is a stingy seed producer. For that reason the seed is dear, but worth every penny. Carolyn Male rates it among her top 100, we rate it in the top 10. Fruit in clusters of 2 or 3. Prone to catfacing under stressful weather condition, but Meisha Rosenberg of Troy, NY, reports "they were awe-inspiring and not ugly at all. I love to use them in a sweet yellow tomato soup—so simple and so delicious." From Lillian Bruce, Manchester, TN. MOFGA-certified. ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4093GO Goldie OG** (90 days) Ind. Pennsylvania market grower Paul Hauser, who sells 10,000 tomato seedlings each spring, says the yields from Goldie are "stupendous. I just never saw so many tomatoes." They are "semi-solid, didn't crack much, yet had that great heirloom taste." Goldie impressed in our trials by delivering its rich flavor with an extraordinary velvety texture. Deep orange beefsteak fruits average 16-20 oz. Erica Myers-Russo from CT advises, "Don't harvest it until it has a distinct rosy blush" (on the bottom). Heirloom dates from the 1870s. Will catface under cold and/or excessively wet conditions. Several people who grew our Heirloom Mix reported that Goldie was their favorite. MOFGA-certified. ①
**A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4097RO Ruby Gold OG** (90 days) Ind. As aesthetically appealing as it is delicious, Ruby boasts prolific beautiful huge red-streaked yellow fruits with marbled interior flesh. When we grow it, the mice won't stay away from the meaty fruits with superb mild sweet flavor. They know why famed tomato aficionado Ben Quisenberry added Ruby Gold to his collection when he found it in Bob's Market in Mason, WV, in 1967. John Lewis Childs of Floral Park, NY, had it in his 1922 catalog so we know it goes back a ways. Fruits, slightly flattened with red spot on the blossom end, seldom cosmetically perfect, prone to radial cracking. MOFGA-certified. ①
**A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

## Open-pollinated CHERRY TOMATOES

**4101WS Whippersnapper** (52 days) Det. Whippersnapper is the welcome bearer of pinkish tart fruits that come earlier than any other cherries. While a treat unto itself, Whippersnapper also whets the appetite for the later redder sweeter cherry tomatoes. Not disease resistant, should be followed by a succession variety more vigorous. *We are planning to phase this one out so you might want to stock up.* Maine seed. ① **A**=0.2g, 90¢ (~125 seeds), **B**=0.4g, $1.60, **C**=1g, $2.80, **D**=2g, $4.20, **E**=10g, $18.00

**Ciudad Victoria OG** (64 days) *L. e.* var. *pimpinellifolium* Ind. We have dropped this variety. *Not available in 2007.*

**4107BB Be My Baby Gene-Pool ECO** (65 days) Ind. This productive cherry is the ongoing result of a cross of three famous tomatoes, an heirloom potato-leaf beefsteak and two cherries, one orange and one red. The crossing and selection process began in 1997. Although it has been selected for a red cherry with regular tomato foliage, about 10% of the plants still showed potato-leaf foliage in 2006, and you can expect some in your patch. Rogue them out because their flavor is not as desirable as the rest. Visiting the 2006 growout, an experienced Fedco seed grower called Be My Baby "better than a Sungold," while the Fedco staffer was too busy eating the seed stock to comment. Relentless, the breeder, calls this "a passionate work in progress with a magical gene pool." This is his first variety in our catalog and we hope to see many more in the future. Could be a good replacement for Sweet Baby Girl. *Earth Passionate Agrarian*™-grown. **NEW!** ①
**A**=0.2g, $1.20 (~175 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4109GD Gardener's Delight** (68 days) Ind. Also known as Sugar Lump, Gardener's Delight often ripens just when Whippersnapper is through. Its larger size, deep red color and rich sweet flavor also contrast with Whippersnapper. The large plants need staking and will bear till frost. The fruits taste so good that I can overlook their annoying tendency to crack. ③②
**A**=0.5g, 90¢ (~250 seeds), **B**=1g, $1.60, **C**=2g, $2.80, **D**=4g, $4.20, **E**=28g, $18.00

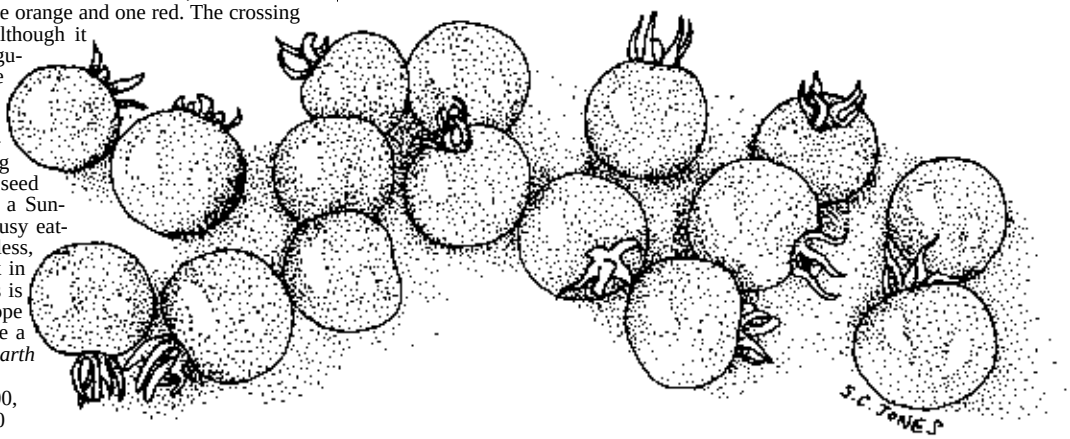
**4114BC Black Cherry** (75 days) Ind. Two-bite cherries with the dusky color and complex flavor typical of the best black tomatoes. I ate two absolutely delicious juicy and tasty ones from two different growers at the Fair that completely won me over. Somewhat late for a cherry tomato, fruit ripens slowly and individually until frost, but worth the wait. Examine each plant closely at picking time: the dark-hued cherries are easy to lose in the foliage. Seems to tolerate the usual tomato diseases but fruits will crack readily in rainy weather. Store for a short time if not cracked. Yum, I like these almost as much as black cherries! **NEW!** ③
**A**=0.2g, $1.10 (~330 seeds), **B**=0.4g, $1.80, **C**=1g, $3.00, **D**=2g, $4.00, **E**=10g, $16.00

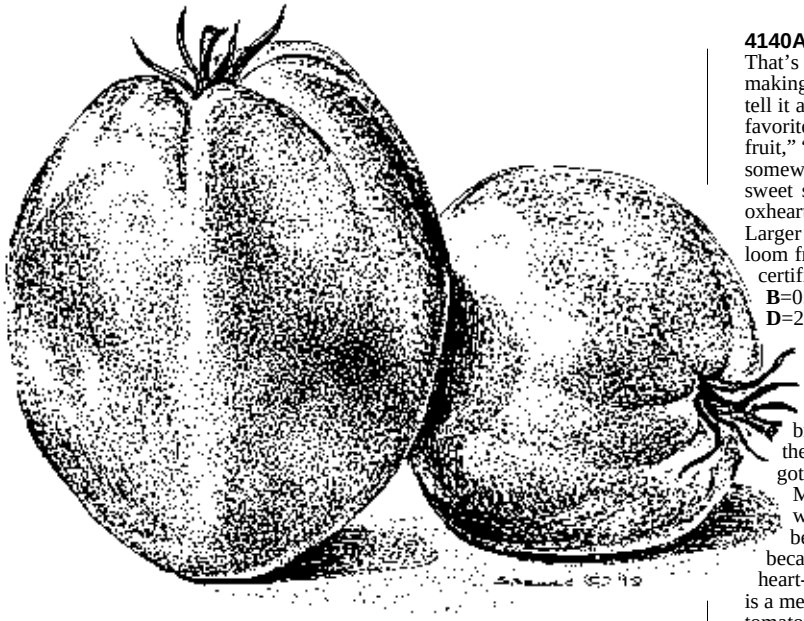
**4117PO Principe Borghese OG** (75 days) Vigorous det. Bears small fruits in prolific clusters over a long season. An Italian heirloom variety of excellent flavor used for sun-dried tomatoes as it has few seeds and little juice. In our humid climate, we require a solar dryer or a 100˚ oven to dry the fruits successfully. Also makes a tasty sauce, although you'll need a lot of the little tomatoes! CSA grower Jill Agnew lauds them for holding their perfect shape so well without cracking. Amy LeBlanc, investigating eight different sources of this variety, found at least three different strains. Two of the eight sources, including Fedco, had fruits with a nipple at the blossom end. According to Amy, these pointy fruits taste better than the oval fruits. MOFGA-certified. ① **A**=0.5g, $1.20, **B**=1g, $2.00, **C**=2g, $3.80, **D**=4g, $7.00, **E**=28g, $42.00

**4118TO Tess's Land Race Currant OG** (76 days) Ind. It took a trip to Maryland's south shore to convince me that currant tomatoes could have such intense flavor! Brett Grohsgal of Even'Star organic farm bred Tess in 1997 from a two-generation, five-parent set of crosses, and named it in honor of his maternal grandmother who first trained him in horticulture when he was five. One of tomato Tess's parents is Peru Wild, the tiniest currant Grohsgal has ever found, and supposedly the wild progenitor of all tomatoes. Grohsgal selected for flavor, tolerance to TMV and the southern races of F and V, strong plant vigor in monsoon, drought and conditions of minimal soil fertility, and for thick skins that resist splitting even after summer deluges. Fruits are all one color per plant, but vary from deep red (approximately 65% of all plants), rose-pink (5%) to golds and yellows (30%). These are the first gold and yellow currant tomatoes I've ever seen, although they did not get high ratings for taste from our lot growout trialers. Best harvested with scissors by the sprig as picking individual fruit is tedious. Highly appreciated by restaurant chefs and discerning farmers-market customers. Seedlings, slow growers at first, take off after 45 days. Vines become sprawly and benefit from support. A superior land race currant tomato, intentionally heterogeneous in fruit color, and a prime example of on-farm breeding at its best. A Fedco introduction. BSO-certified. ①
**A**=0.2g, $1.40, **B**=0.4g, $2.20, **C**=1g, $3.60, **D**=2g, $6.00, **E**=10g, $22.00

**4119VO Peacevine OG** (78 days) Rampant ind. Selected by Peace Seeds from Sweet 100 cherry tomato, and almost identical in fruit size and growth habit. Bears gazillions of sweet clusters each with 8 or so 1" fruits. Has the currant tomato in its ancestry. Very high in vitamin C and in gamma-amino butyric acid, a natural nervous system sedative. That may be why Alan Kapuler named it Peacevine. We found variation in our strain and have been re-selecting our stock seed, but there are still a few off-types including a current and a grape. *Seed in short supply; order early.* MOFGA-certified. ①
**A**=0.2g, $1.20 (~130 seeds), *not available in larger sizes.*

**4120FO Fargo Yellow Pear OG** (82 days) Ind. It sure is hard for our tomato trialers to agree on anything, but all gave high ratings to Fargo. One called it "the first pear tomato that tastes like a tomato." Each plant produces about three dozen of the sweet tasty 1 oz. fruits. About twice the size of regular pear tomatoes, the meaty morsels are crack resistant. OT-certified. ②
**A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00





## Open-pollinated PASTE TOMATOES

**4125HO Heinz 2653 OG** (68 days) Det. An amazingly early red plum type which often ripens all its 2½-3 oz. fruits before frost. Firm fruits for cooking, on compact plants. Heavy yields early. MOFGA-certified. ① **A**=0.2g, $1.20 (~55 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4131GO Grandma Mary's OG** (68 days) Ind. Introduced by Fedco in 1992. Grandma's meaty 6-10 oz. fruits are very early for their size. It produces fruit even during cold summers. Jeanne Griffin selected seed from this heirloom for 6 years for earliness and fruit size. MOFGA-certified. ① **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

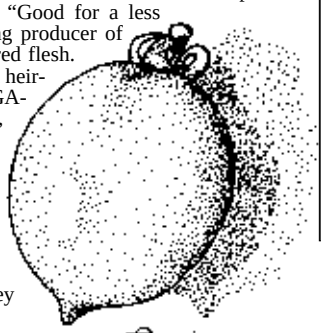
**4135LO Bellstar OG** (74 days) Det. Bred at Smithfield Experiment Farm in Ontario and introduced in 1981. Bears red 4 oz. round paste tomatoes much larger than most others of this type. Delicious flavor is also good in salads. Ripening is spread over a long season. MOFGA or OT-certified. ③② **A**=0.2g, $1.20 (~95 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

**4136RO Speckled Roman OG** (85 days) Ind. Near the top in our 2005 sauce test for its rich tomatoey sweetness and good texture. Red cylindrical fruits covered with orange-yellow striations, something like an Amish Paste with stripes from an Orange Banana. The actual parents are said to be Antique Roman and Banana Legs, and the fruits have the distinctive nipple of the latter. Plants bear an early abundance of meaty 4-5 oz. fruits. Roberta's highest yielder in 2005. An underground favorite of many seed savers, Roman is just beginning to find its way into commerce. IA or OT-certified. ①② **A**=0.2g, $1.20 (~70 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

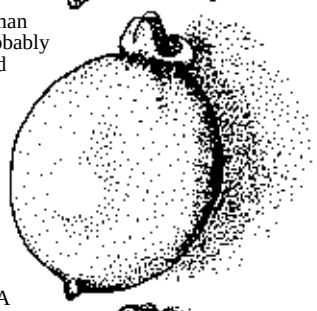
**4137NO Orange Banana OG** (85 days) Ind. I never would have believed that the best tomato sauce comes from an orange tomato. But the proof is in the eating and Orange Banana has frequently been the clear winner of our annual autumn paste taste at the Shipmans. Comments from tasters include, "the best flavor and sweetness yet, wow!" and "gourmet candlelight." No wonder Banana has become a staple of David's famous tomato sauces. Its amazing sprightly sweet flavor, reminiscent of Sungold but with more depth and diverse tones, makes an ambrosial sauce by itself and adds a vivid fruity complexity to any sauce with other tomato varieties. Erica Myers-Russo in CT has found another use for it, growing it exclusively for drying. She claims it "makes the sweetest dried tomatoes ever." Attractive cylindrical orange fruits 3-4" long average 4-5 oz. Susceptible to blossom-end rot and sometimes only a mediocre cropper. Rumored to be especially attractive to the tomato hornworm whose good taste may belie its hideous appearance. We'd love to know more about its history; can anyone help? MOFGA or OT-certified. ①② **A**=0.2g, $1.20 (~200 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

A few counterintuitive tips: According to the *Avant Gardener* you should not turn seedling flats around periodically to prevent the plants from leaning toward the light because turning disrupts the plants' physiology. To stimulate stockier, sturdier growth, touch, brush or blow on seedlings for a few minutes daily, or water them with cold water! Cold water reduces root growth and slows top growth. Just shaking a young tomato plant 30 seconds twice a day can reduce its height by 50% over four weeks.

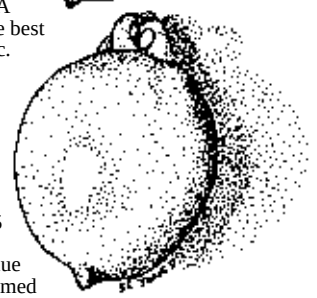
**4140AO Amish Paste OG** (85 days) Ind. 21 seed savers can't be wrong! That's how many listed Amish Paste in the 2005 Seed Savers Yearbook, making it one of the most popular items in the Exchange. Their comments tell it all, "the ultimate sauce type," "wonderful flavor and production," "my favorite paste tomato for the past eight years," "large, meaty, heart-shaped fruit," "prolific, good in drought and wet weather." We found it complex and somewhat tart in our 2005 sauce test. "Good for a less sweet sauce," was one comment. Strong producer of oxheart fruits up to 8 oz. Thick bright-red flesh. Larger and better than Roma. Wisconsin heirloom from around 1900. BSO or MOFGA-certified. ① **A**=0.2g, $1.20 (~70 seeds), **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00

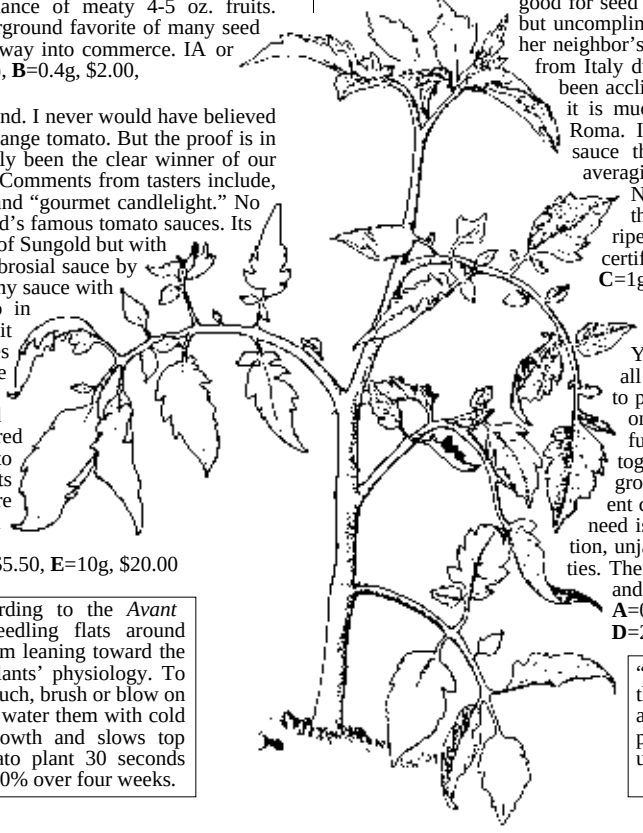


**4141HO Hog Heart OG** (86 days) Ind. Hog Heart has won many fans since Susan Eastman and Ed Lacy of Gray, ME, brought it to the Exhibition Hall at the 1988 Common Ground Fair. They got it from a woman in northern Massachusetts who got it from a man who had emigrated from Italy, probably between 1910 and 1920. So-named because of its tendency to produce heart-shaped double fruits, Hog Heart is a meaty 6-8 oz. (some larger) paste tomato shaped like a banana pepper, noted for its sparse seed cavity, good solids and excellent flavor fresh, canned or frozen. Martha Gottlieb was instrumental in distributing seed samples and provoking interest all around the state. It is late for extreme northern areas and some fruits catface. A Fedco introduction. "For my money, the best paste tomato going," says Amy LeBlanc. MOFGA-certified. **A**=0.2g, $1.20, **B**=0.4g, $2.00, **C**=1g, $3.20, **D**=2g, $5.50, **E**=10g, $20.00



**4146BO Blue Beech OG** (90 days) Ind. This superb large elongated paste tomato won our tomato sauce taste test in 1997, besting several well-known varieties. It was not as good in our 2005 test, thin with moderate flavor. We received seed from Annette Smith of Blue Beech Farm in Danby, VT, and have named the variety in honor of her farm. Our Maine seed grower complains that it is not seedy (good for sauce, not good for seed production) and she has given it a similar but uncomplimentary name! Smith got the tomato from her neighbor's niece's uncle who brought it to Vermont from Italy during World War II. This Roma type has been acclimated in Vermont for the last 50 years so it is much more adaptable to cold climates than Roma. It usually makes a richly textured sweet sauce that's just brimming with flavor. Fruits, averaging 6-8 oz, often have green shoulders. Needs long season, but recent years, with their mild extended falls, have facilitated ripening. A Fedco introduction. MOFGA-certified. ① **A**=0.2g, $1.40, **B**=0.4g, $2.40, **C**=1g, $3.50, **D**=2g, $6.00, **E**=10g, $28.00

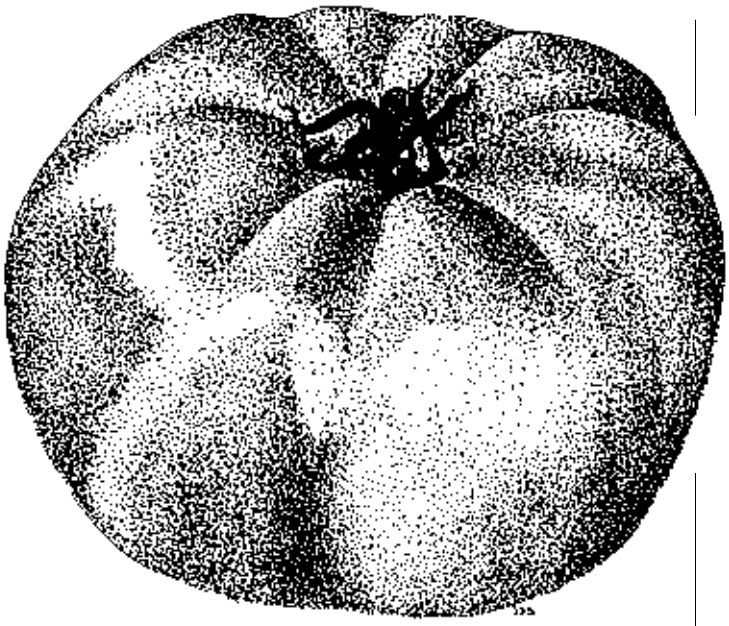




## TOMATO MIX

**4149HO Heirloom Tomato Mix OG** You'd love to be adventurous and try them all but you haven't space for that many tomato plants? Or can't make up your mind which ones to select? Here's the solution: Skip the fuss and leave the choosing to us! We'll mix together a bunch of varieties (all organically grown seed) in one packet. You'll get different colors, sizes, shapes and flavors. All you'll need is an open mind, a good sense of observation, unjaded taste buds and acute deductive faculties. Then you can figure out which ones you like and order them by name next year. **A**=0.2g, $1.10, **B**=0.4g, $1.80, **C**=1g, $2.80, **D**=2g, $4.20, **E**=10g, $18.00

"Thanks for all of it: the poetry, the art, the philosophy, the politics, the products, all that you do to protect this sacred planet—and for the humor, too—it lights up these long, gray winter days."
—Phyllis White, Hesperia, MI



## Hybrid TOMATOES

**4205EG Early Girl** (60 days) Ind. Ann Gerhart of the *Washington Post* claims, "The true tomatohead disdains the Early Girl…not great eating, your Early Girl, but first, yes." Accordingly, this girl is well-loved by commercial growers who need heavy yields of good-looking slicing tomatoes early in the season when the market commands high prices. Gerhart notwithstanding, Early Girl delivers fairly good flavor for such an early tomato—sweet, meaty with a hint of tartness. The slightly flattened bright crimson globes average 4-6 oz. with firm texture, blemish-resistant skin and a long production period. From Ball Seeds in 1975. Rated third-most popular tomato in an informal survey of Maine growers. ② **A**=0.2g, $1.80 (~85 seeds), **B**=0.4g, $3.50, **C**=1g, $8.00, **D**=2g, $14.00, **E**=4g, $24.00

**4207JT Juliet** (60 days) Ind. There will be no lack of Romeos who want to nibble on these and no lack of the scrumptious little plum-shaped fruits for them to adore. They come in clusters everywhere, 12-18 1-2 oz. grapes to the cluster and an astounding 50-80 per plant. The glossy red fruits have an engaging sweetness that will make you want to keep popping them in your mouth. They are good stewing tomatoes and excellent salad tomatoes, but we thought they had too much juice to be ideal for paste until we stuck them into our 2005 test. To our surprise, we found their sauce to be tangy with a diverse complex richness and full sweet tomato flavor. As if earliness and good flavor weren't enough, this 1999 AAS winner is firm enough to hold on the vines for up to two weeks, crack resistant, tolerant to LS and LB, and fairly invulnerable to insect or slug damage. Considered second-most popular tomato by Maine market growers. ③ **A**=0.2g, $1.40 (~60 seeds), **B**=0.4g, $2.50, **C**=1g, $6.00, **D**=2g, $11.00, **E**=4g, $20.00

**4210EC Early Cascade** (66 days) Ind. Always very impressive. Donna Dyrek harvested 20 lb. of Early Cascades off a single plant. Begins producing 4 oz. fruits very early, and keeps on till frost and beyond. Has delicious taste despite exceedingly firm thick skin. Holds quality on vine a long time. A favorite market variety. Needs staking. Disease resistance includes V1, ASC and S. *This is likely the last year we will have seed of this Seminis variety.* ⑥ **A**=0.2g, $1.80 (~100 seeds), **B**=0.4g, $3.50, **C**=1g, $8.50, **D**=2g, $16.00, **E**=4g, $28.00

**4233JS Jet Star** (72 days) Compact Ind. As hybrids go, Jet Star has been around for a long time. The 1979 Harris catalog reported, "Our Jet Star met with as great a reception as any introduction we ever offered." Almost 30 years later it remains their best-selling hybrid tomato. In a test of 16 commercial varieties grown in high tunnels at Highmoor Farm, it had the highest yield of total marketable fruit and of premium quality fruit. Year after year it was the best early full-sized tomato in our trials, ripening prolific quantities of cosmetically perfect 7-8 oz. globes with outstanding flavor. The smooth firm fruits almost never scar or crack and have excellent interior and exterior coloration. Resistant to F1 and V. ⑤ **A**=0.2g, $1.60 (~65 seeds), **B**=0.4g, $3.00, **C**=1g, $7.00, **D**=2g, $13.00, **E**=4g, $25.00

**4238BU Buffalo** (72 days) Ind. We don't know why this Dutch beefsteak tomato was named for one of the snowiest places on Earth (can you grow tomatoes outdoors in Buffalo?), but we do know that it is *the* greenhouse tomato for our growers. Its globe-shaped very firm red fruits ripen uniformly. Tomatoes average 8-9 oz. with some variability. Vigorous tall vines, loaded with disease resistance, make a nice package. Resistant to TMV, leafmold A-E, V, F1 and F2. Adaptable for greenhouse, poly-tunnel culture everywhere—even in Buffalo! ④ **A**=0.05g, $2.20 (~18 seeds), **B**=0.1g, $4.40, **C**=0.4g, $17.00, **D**=1.2g, $50.00, **E**=3.6g, $150.00

**4260BF Big Beef** (75 days) Ind. Many beefsteak varieties are ugly, oversized, mealy balls of fluff. But Big Beef answers my beef about beefsteaks because it looks great and actually tastes like a tomato. Moreover, it is a real workhorse producer of 10 oz. spotless fruits which start ripening early and keep coming till frost. This large vigorous plant will please both market growers and home gardeners and it certainly pleased the judges who made it a 1994 AAS. Big Beef's bred-in resistance to V, F1,2, ASC, S, N and TMV helps its sustained performance. Our only beef is that this is a Seminis variety, so *this is the last year we will carry it.* ⑥ **A**=0.2g, $2.20 (~90 seeds), **B**=0.4g, $4.20, **C**=1g, $10.00, **D**=2g, $19.00, *not available in larger sizes.*

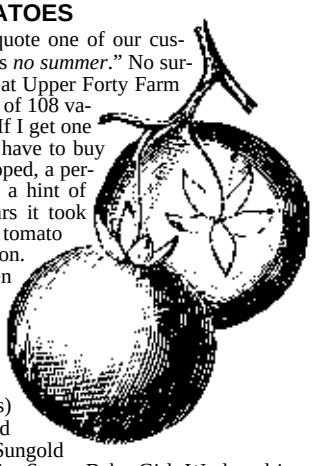
**4267CB Celebrity** (78 days) Det. Impressive seedling vigor and flavorful firm 7 oz. fruits merited a 1983 AAS award. Best-looking tomato seedlings I've ever raised. A favorite of both home gardeners and commercial growers. Wide disease resistance includes V1, F1,2, ASC, N, S, and TMV. *From Seminis, we have enough seed to carry into 2008.* ⑥ **A**=0.2g, $1.80 (~45 seeds), **B**=0.4g, $3.20, **C**=1g, $7.20, **D**=2g, $13.00, **E**=4g, $24.00

**Golden Boy** (88 days) Ind. This variety is no longer being produced by the trade. *Not available in 2007.*

### Hybrid PASTE TOMATOES

**4280CL Classica** (76 days) Det. Recent moist summers have been perfect incubators for tomato disease. With most of the heirlooms unable to stand up to the pressure, growers need a hybrid paste like Classica that won't turn prematurely into mush. Larger and considerably sweeter than Roma, Classica is a classic pear-shaped tomato with built-in multiple disease resistance that gives high production even under stress, with less tendency for blossom end rot than other pear tomatoes. Fruits average just under 4 oz, can be used for sauce, salsas or salad. Tolerant/resistant to V, F, ASC, N. *This is the last year we will offer this Seminis variety and seed is in short supply.* ⑥ **A**=0.2g, $1.90 (~70 seeds), *not available in larger sizes.*

### Hybrid CHERRY TOMATOES



**4282SG Sun Gold** (57 days) Ind. To quote one of our customers, "Without these little babies, there's *no summer*." No surprise that at the Slow Food Tomato Taste at Upper Forty Farm in CT, it was voted the best-tasting tomato of 108 varieties. CT grower David Zemelsky says "If I get one in a customer's mouth they are sunk and have to buy them." The best cherry tomato ever developed, a perfect combination of deep sweetness with a hint of acid tartness, so good that for some years it took away most of our incentive to do cherry tomato trials because all others paled in comparison. Small fruits, borne in prolific clusters, ripen very early to a rich apricot color. Splits readily after rain. Resists F1, TMV. ⑤ **A**=0.1g, $2.20 (~65 seeds), **B**=0.2g, $4.00, **C**=1g, $18.00, **D**=2g, $32.00, **E**=4g, $58.00

**4286SB Sweet Baby Girl** (65 days) Compact ind. Still looking for that great red cherry to compete with and complement Sungold and join its rather exclusive club? Try Sweet Baby Girl. We loved it, both at Highmoor Farm and at Relentless' trials. It's very early, almost as productive as Sungold, doesn't split as easily, not quite as sweet but a wondrous and dandy mix of flavorful complexity. Fruits average 18-25 grams. Probably enough seed left of this Seminis variety to carry into 2008. ⑥ **A**=0.2g, $3.00, **B**=0.4g, $6.00, **C**=1g, $14.00, **D**=2g, $26.00, **E**=4g, $50.00

**4288SC Sweet Chelsea** (68 days) Ind. "A reliable heavy producer of luscious big cherries. I have never enough cages and stakes for the multitudes of fruit that weigh down the rampant vines. The best for grazing in the garden," says Janine Wellsby. Sweet round red fruits are practically impeccable in appearance. Chelsea starts producing relatively early and continues throughout the season. Wide disease resistance, including TMV and F. ⑤ **A**=0.2g, $1.80 (~75 seeds), **B**=0.4g, $3.50, **C**=1g, $8.00, **D**=2g, $15.00, **E**=4g, $28.00

**4296SW Super Sweet 100** (78 days) Ind. Like Sweet 100, only with more disease resistance. Very popular hybrid cherry tomato ripens clusters of 1" round sweet fruits. Should be staked. Will split in rainy conditions. Resistant to V and F1. ⑤ **A**=0.2g, $3.50 (~130 seeds), **B**=0.4g, $7.00, **C**=1g, $16.00, **D**=2g, $32.00, **E**=4g, $60.00

FARM LOGOS WANTED

We would like to do a future catalog with the theme of farm names and logos featuring some of the most original farm names and graphics. Please send us a copy of your farm logo. We would prefer black and white, although we can render color logos into black and white with a small loss of resolution. We will choose the ones we like best and your farm will get free nationwide publicity.

# VEGETABLE PLANTING GUIDE

| Vegetable | Catalog # range | avg. sds/oz | sds/100' | Pkt plants | distance apart | thin to | row spacing | seed depth | min soil temp °F | ideal soil temp | hardiness | planting date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Amaranth | 3000-12 | 25000 | 1/16 oz | 100' | 3" | 6" | 18" | 1/8" | 60 | 70-85 | T | June 1 |
| Artichoke | 3608 | 180 | T | 10 pl | 3' | No | 2' | 1/2" | 60 | 65-85 | MH | tp late |
| Arugula | 3020-29 | 13000 | 3g | 60' | 1" | 4" | 18" | 1/4" | 50 | 65-85 | MH | May 1/Aug 1 |
| Basil | 4410-4470 | 18000 | 5g | 10-80' | 1/2" | 4" | 18" | 1/4" | 65 | 70-85 | VT | June 1 |
| Bean, Bush, Dry | 200-79,300-85 | 80 | 8 oz | 25' | 3" | No | 2-3' | 1" | 60 | 70-85 | T | late May |
| Bean, Fava | 299 | 17 | 1# | 12' | 4-6" | No | 2-3' | 1" | 50 | 60-80 | H | April |
| Bean, Pole | 280-92 | 65 | 6 oz | 10 pl/oz | 6/pole | 3/pole | 3-4' | 1" | 60 | 70-85 | T | late May |
| Bean, Soy | 480-99 | 85 | 5 oz | 10' | 3" | No | 3' | 1" | 60 | 70-90 | T | June 1 |
| Beet | 2100-99 | 2200 | 1/2 oz | 20' | 1" | 2-4" | 12-18" | 1/2" | 50 | 65-85 | H | Apr-July |
| Broccoli | 3310-16,3400-75 | 7000 | 5g | .5g=10' | 1" | 24-30" | 30" | 1/4" | 50 | 65-85 | MH | tp May/June |
| Brussels Sprouts | 3317-19,3480 | 5000 | 5g | .5g=10' | 1" | 24-30" | 24-30" | 1/4" | 50 | 65-85 | H | tp May/June |
| Cabbage | 3320-39,3500-40 | 7500 | 5g | .5g=10' | 1" | 24-30" | 24-30" | 1/4" | 50 | 65-85 | MH | tp May/June |
| Carrot | 2000-99 | 18000 | 10g | 1/8oz=35' | 1/4"-1/2" | 1" | 16-24" | 1/2" | 50 | 65-85 | H | Apr-July |
| Cauliflower | 3540-79 | 8000 | 4g | .5g=12' | 1" | 30" | 30-36" | 1/4" | 55 | 65-85 | MH | tp May/June |
| Celery/Celeriac | 3610-49 | 75000 | T | 500 | 8" | No | 2-3' | 1/8" | 50 | 55-70 | T | tp June 1 |
| Chard | 3030-42 | 800-2000 | 1 1/2 oz | 5-13' | 1" | 3" | 18-24" | 1/2" | 50 | 65-85 | H | ASAP |
| Chicory | 3046-48 | 1800 | T | 300 pl | 1' | No | 2' | 1/8" | 50 | 60-85 | H | tp late June |
| Chinese Cabbage | 3273-3276 | 9500 | 1/4 oz | 25' | 1/2" | 12-18" | 24-30" | 1/4" | 50 | 70-95 | MH | late May |
| Corn, OP | 500-699,5930-49 | 100 | 4 oz | 50' | 2-3" | 1' | 3' | 1" | 60 | 70-95 | T | late May |
| Corn, SE | 500-699 | 155 | 4 oz | 50' | 2-3" | 1' | 3' | 1" | 60 | 70-95 | T | late May |
| Cress | 3050-56, 4695 | 9000 | 3g | 50-70' | 1" | 4" | 18" | 1/4" | 50 | 65-85 | MH | May 1 |
| Cucumber | 1200-1399 | 1000 | 1/2 oz | 11' | 2" | 4" | 4' | 1/2" | 60 | 75-95 | VT | June 1 |
| Eggplant | 3650-99 | 6000 | T | 40 pl | 20-30" | No | 30-36" | 1/4" | 68 | 75-85 | VT | tp early Jun |
| Endive | 3060-99 | 18000 | 5g | 40' | 1" | 8" | 18-24" | 1/4" | 50 | 60-85 | H | Apr-July |
| Gourds, large | 1960-99 | 175 | T | 20 pl | 6/hill | 2-3/hill | 6' | 1/2" | 60 | 70-90 | T | tp early Jun |
| Gourds, small | 1900-59 | 500 | 1/5 oz | 10 hills | 6/hill | 3/hill | 4-6' | 1/2" | 60 | 70-90 | T | late May |
| Kale | 3350-89,3582-89 | 7500 | 5g | 40' | 1" | 12" | 2' | 1/4" | 50 | 65-85 | VH | ASAP-July |
| Kohlrabi | 3390-95,3594 | 8500 | 4g | 50' | 1" | 24" | 24" | 1/4" | 50 | 65-85 | MH | tp May/June |
| Leek | 2400-29 | 10000 | T | 600 pl | 8" | No | 2' | 1/2" | 50 | 60-80 | MH | tp May 1 |
| Lettuce | 2700-2999 | 25000 | 4g | 1g=25' | 1/3" | 1' | 12-18" | 1/8" | 40 | 50-75 | H | ASAP-Aug |
| Mâche | 3100-19 | 18000 | 1/4 oz | 30' | 1/2" | 2" | 18" | 1/4" | 48 | 50-80 | VH | ASAP-Aug |
| Melon | 1000-99 | 1200 | T | 14-20 hills | 3/pot | 2/hill | 5' | 1/2" | 68 | 80-95 | VT | tp early Jun |
| Mustard | 2983,3138,3200-59 | 15600 | 1/8 oz | 40' | 1" | 4-6" | 2' | 1/4" | 50 | 65-85 | MH | Apr-Aug |
| Okra | 3696 | 420 | T | 30 pl | 12" | No | 2-3' | 1/4" | 65 | 70-95 | VT | tp early Jun |
| Onion | 2440-99 | 7000 | T | 450 pl | 4" | No | 12-18" | 1/2" | 50 | 60-85 | MH | tp May 1 |
| Pac Choi | 3260-75 | 12500 | 1/4 oz | 30' | 1/2" | 6-12" | 2' | 1/4" | 50 | 70-95 | MH | May |
| Parsley | 2301,3155-79 | 18000 | 1/4 oz | 25' | 1/4" | 1" | 12-18" | 1/4" | 50 | 50-85 | VH | Apr-Aug |
| Parsnip | 2305-10 | 5000 | 1/2 oz | 25' | 1/2" | 2-3" | 12-18" | 1/2" | 52 | 60-77 | VH | Apr-July |
| Pea/snow, snap | 700-899 | 110 | 8 oz | 25' | 1 1/2" | No | 3-5' | 3/4" | 48 | 65-85 | plants H | ASAP |
| Pea/snow, snap for | fall crop | 110 | 8 oz | 25' | 1 1/2" | No | 3-5' | 3/4" | | | blossoms,pods T | July |
| Pepper | 3700-3999 | 4500 | T | 10-50 pl | 12-18" | No | 2-3' | 1/4" | 68 | 75-85 | VT | tp early Jun |
| Pumpkin | 1700-1899 | 100-280 | 1/-12 oz | 3-8 hills | 5/hill | 3/hill | 6' | 1" | 60 | 70-90 | T | late May |
| Radicchio | 3186-91 | 20000 | 1/2 oz | 30' | 1" | 8-10" | 18" | 1/8" | 50 | 60-85 | H | late June |
| Radish | 2200-99 | 2500 | 1 oz | 15' | 1/2" | 2" | 18" | 1/2" | 50 | 60-85 | H | Apr-Aug |
| Rutabaga/Turnip | 2350-99 | 9000 | 1/4 oz | 40' | 1/2" | 3-4" | 18" | 1/4" | 50 | 60-95 | H | Apr-July |
| Scallion | 2439 | 9200 | T | 400pl | 4" | No | 12-18" | 1/2" | 50 | 65-85 | MH | tp May 1 |
| Scorzonera | 2322 | 2000 | .6 oz | 20' | 1" | 2" | 18" | 1/2" | 50 | 65-85 | H | Apr-Jun |
| Skirret | 2327 | 17000 | 2g | 10' | 1" | 1' | 3' | 1/2" | 50 | 65-85 | VH | May |
| Spinach | 2500-99 | 1400-2600 | 1/2 oz | 40' | 1" | 2" | 12-18" | 1/2" | 42 | 60-80 | VH | ASAP |
| Spinach, fall crop | 2500-99 | 1400-2600 | 1/2 oz | 40' | 1" | 2" | 12-18" | 1/2" | 42 | 60-80 | VH | Aug |
| Squash, patty pan | 1580-99 | 300 | .6 oz | 5-8 hills | 5/hill | 3/hill | 4' | 1" | 60 | 70-90 | T | late May |
| Squash, winter | 1600-1699 | 120-440 | 1/2-2 oz | 3-15 hills | 5/hill | 3/hill | 4-6' | 1" | 60 | 70-90 | T | late May |
| Squash, summer | 1400-1599 | 320 | 1/2 oz | 5-8 hills | 5/hill | 3/hill | 4' | 1" | 60 | 70-90 | T | late May |
| Tomato | 4000-4299 | 9000 | T | 50-125pl | 3' | No | 3' | 1/4" | 60 | 68-80 | T | tp June 1-10 |
| Watermelon | 950-99,1100-99 | 600 | T | 7-14 hills | 3/pot | 2/hill | 5' | 1/2" | 68 | 80-95 | VT | tp early Jun |
| Zucchini | 1400-79 | 180 | 1 oz | 4-6 hills | 5/hill | 3/hill | 4' | 1" | 60 | 70-90 | T | late May |

For information on flowers & herbs see charts on pages 62-63 and 65.

**Abbreviations** Pkt plants=how many row feet or hills our smallest packet will plant T=transplanted only, in our climate.
tp=transplant pl=plants g=grams, 28.4g=1oz. No=not necessary to thin

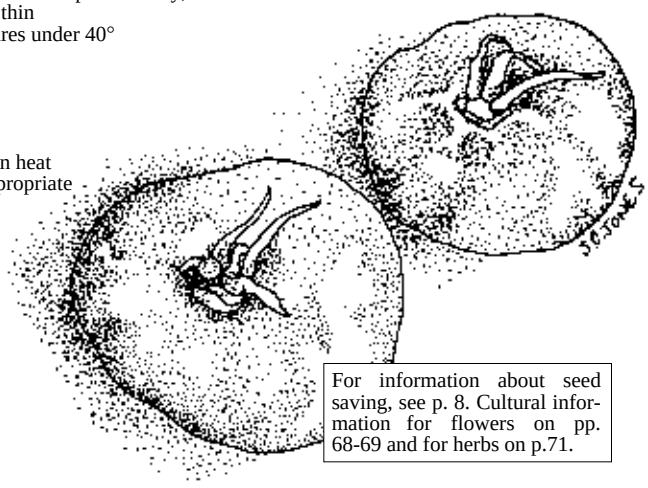
**Hardiness rating** VT=very tender: will not survive frost, can be damaged by temperatures under 40°
T=tender: will not survive frost
MH=moderately hardy: survives light frosts
H=hardy: survives frost generally to the low twenties
VH=very hardy: will winter over if protected

**Approximate planting date:** ASAP=as soon as ground can be worked, does not thrive in heat
Approximate planting dates are for *our* Central Maine climate. Please make appropriate adjustments for your climate, using hardiness as a guide.

**Notes:** Seed counts are provided as a *guide*, not a *guarantee*. They vary from cultivar to cultivar. (For more information see the variety descriptions.) Planting rates will vary if intensive methods such as beds are used. Minimum soil temperatures are the lowest we can recommend if you want a good stand. Planting under slightly colder conditions is possible but germination will be slow and spotty. If you have specific cultural questions, consult more detailed resources or get in touch with us.

A few seeds with unusually thick or hard coatings may benefit from **scarification** just before sowing. This is accomplished by nicking them with a knife, a pinpoint or lightly scratching them with sandpaper.

Some seeds need to be **stratified** before sowing. This tricks the seed by thinking it has gone through winter followed by the gradual warm-up of spring. It is accomplished by first moistening and then chilling the seed for a specified period of time.

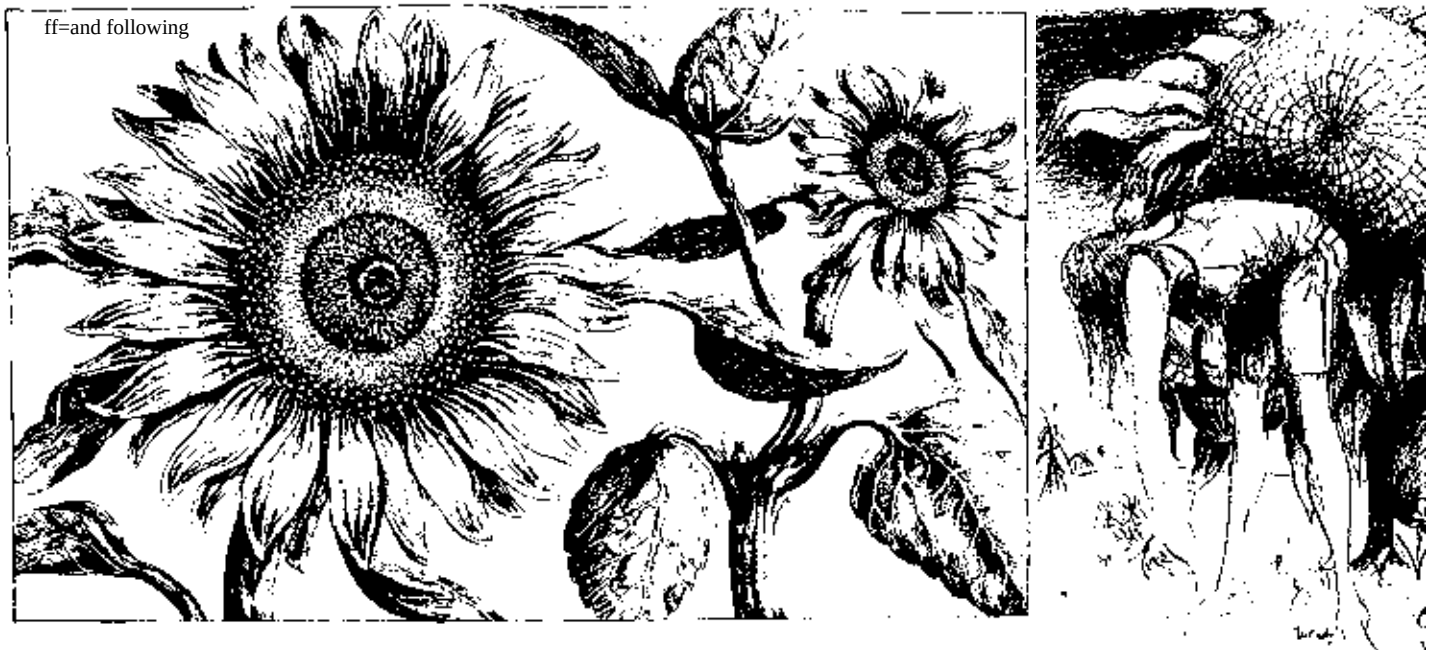


For information about seed saving, see p. 8. Cultural information for flowers on pp. 68-69 and for herbs on p.71.

# Flowers at a Glance

| Name | item# | Botanical Name | APB | height | uses | season | sow | start | temp | days | notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Achillea (Yarrow) | 5705, 6008 | *Achillea spp.* | P | 18-24" | BDC | ES-F | DS DF TP | 8-10 | C | 10–14 | Lt |
| Acroclinum | 5710 | *Helipterum roseum* | A | 2' | DCB | MS-F | DW TP | 8-9 | C | 14–21 | |
| Ageratum | 5000ff | *A. houstonianum* | A | 8",24" | BCD | ES-F | TP | 6-8 | W | 4–6 | ◗S |
| Alyssum | 5004ff | *Lobularia maritima* | A | 2-4" | FBW | ES-F* | DS TP | 8-9 | 55-70 | 8–14 | ◗S |
| Amaranth | 5013 | *Amaranthus spp.* | A | 3-5' | CND | MS-F | TP DS | 6-7 | W | 7–14 | ◗Lt |
| Ammi Majus | 5015 | *A. majus* | A | 3-4' | C | ES-LS | TP DS | 8-10 | M | 7-14 | Ch2w |
| Angel's Breath | 5018 | *Gypsophila elegans* | A | 18-24" | CB | ES-LS | DS TP | 8-9 | C | 7-14 | |
| Aster, China | 5028ff | *Callistephus chinensis* | A | 12-30" | BC | ES-F | TP | 12-14 | W | 10–14 | ◗ |
| Aster, New England | 6013 | *A. novae-angliae* | P | 48" | BC | LS-F | DF TP | 8-10 | C | 7-14 | |
| Baby's Breath | 6020 | *Gypsophila paniculata* | P | 24-40" | BDC | MS-LS | TP DS | 8-10 | M | 14–21 | S |
| Bachelor's Button | 5051ff | *Centaurea cyanus* | A | 24-36" | BC | ES-F* | DW TP | 8-9 | C | 7–14 | ◗Cv |
| Balloon Flower | 6021 | *Platycodon grandiflorum* | P | 30-42" | CB | MS-LS | TP | 6-8 | M | 15-30 | S |
| Balsam | 5066 | *Impatiens balsamina* | A | 24" | B | MS-F | DW | | W | 8–10 | ◗S |
| Basketflower | 5068 | *Centaurea americana* | A | 36-48" | BC | ES-LS | TP DS | 8-10 | C | 10–14 | ◗Sk |
| Bee Balm | 6022, 4734 | *Monarda spp.* | P | 30" | BCD | MS-LS | DS TP | 8-10 | C | 14–21 | ◗S, Lt |
| Begonia | 5070 | *B. tuberhybrida* | A | 8-12" | BW | ES-LS | TP | 12-14 | W | 14–21 | ● |
| Bellflower | 6028 | *Campanula carpatica* | P | 6-10" | B | ES-F | TP | 6-8 | C | 7–21 | ◗ |
| Bells Of Ireland | 5714 | *Moluccella laevis* | A | 30" | DBN | MS-F | TP | 6-8 | C | 12–21 | ◗S, Ch5d50° |
| Blackberry Lily | 6180 | *Belamcanda chinensis* | P | 28" | BD | MS-LS | TP DS DF | 6-8 | C | 21-35 | ◗ |
| Black-Eyed Susan | 5358ff | *Rudbeckia hirta* | A | 36" | BC | ES-LS | TP | 6-10 | W | 14–21 | S |
| Blanketflower | 6128ff | *Gaillardia spp.* | P | 24-36" | BC | MS-F | TP DW | 6-8 | W | 14–21 | Lt |
| Blazing Stars | 5716 | *Liatrus spicata* | P | 18" | BCD | LS | DS TP | 6-8 | C | 21–28 | |
| Bupleurum | 5720 | *B. griffithii* | A | 2' | DCN | ES-F | TP | 8-10 | C | 14-21 | ◗ |
| Butterfly Weed | 6034 | *Asclepias tuberosa* | P | 24" | BCN | ES-LS | DS DF | | W | 21–28 | Ch4w34-40° |
| Calendula | 5079ff | *C. officinalis* | A | 18-24" | BDCE | ES-F* | DS TP DF | 6-8 | C | 4–10 | Cv |
| Calliopsis | 5092 | *Coreopsis tinctoria* | SSA | 30" | CB | MS-F | DS TP DF | 6-8 | C | 4–10 | S, rugged |
| Canary Creeper | 5094 | *Tropaeolum peregrinum* | A | 8' | BV | LS-F | DW TP | 6-8 | C | 7–14 | ◗Cv |
| Candytuft | 5097 | *Iberis odorata* | A | 20" | BGF | MS-LS | DWG | | M | 14 | |
| Carnation (also see Pink) | 5143ff | *Dianthus spp.* | A | 12-20" | BCF | MS-LS | TP | 8 | M | 7–10 | |
| Catmint, Persian | 6038 | *Nepeta mussinii* | P | 12" | BG | Sp-MS | TP DS DF | 6-8 | C | 10-14 | |
| Celosia, plume | 5725ff | *Celosia spp.* | A | 3-6' | DCNB | LS | TP | 8-10 | W | 10–14 | |
| Cerinthe | 5105 | *C. major purpurescens* | A | 12-18" | B | MS-F* | TP DW | 6-8 | W | 7–14 | |
| Chinese Lantern | 5736 | *Physalis alkekengi* | P | 24" | DNC | MS-F | TP DF | 8 | W | 14–21 | ◗S, invasive |
| Clarkia | 5121 | *C. unguiculata* | A | 24" | B | MS-LS | TP DW | 6-8 | C | 7–10 | ◗S |
| Cleome | 5123ff | *C. hasslerana* | A | 48" | BN | ES-LS | TP DW | 4-6 | W | 10–12 | Ch, S |
| Cockscomb | 5730ff | *Celosia spp.* | A | 10" | BND | MS-LS | TP | 4 | W | 10–14 | |
| Coleus | 5131 | *Solenostemon scutellar.* | A | 10-12" | WBN | MS-F | TP | 8-10 | M | 10-14 | ●Lt |
| Columbine | 6042ff | *Aquilegia spp.* | P | 18-30" | B | Sp-ES | TP DS | 6-8 | W | 14–28 | ●Lt,Ch3-4w |
| Coneflower, Yellow | 6269 | *Rudbeckia fulgida* | P | 24" | BC | MS-LS | TP | 6-8 | W | 7–21 | Lt |
| Coneflower, Yel. Prairie | 6055 | *Ratibida columnifera* | P | 1-3' | B N | MS-LS | TP | 6-8 | W | 7-42 | Ch1w |
| Coral Bells | 6062ff | *Huechera spp.* | P | 12-18" | BG | ES-MS | TP | 8-10 | W | 7–21 | ◗Lt |
| Coreopsis | 6068 | *C. grandiflora* | P | 18" | BC | ES-F | TP | 8-10 | C/M | 7–21 | ◗Lt |
| Cosmos | 5136ff | *C. bipinnatus* | SSA | 3-5' | BCS | MS-F | DW TP | 2-4 | W | 7–10 | Lt |
| Cosmos, Yellow | 5134 | *C. sulphureus* | A | 2-3' | BC | MS-F | DW TP | 2-4 | W | 7–10 | |
| Dahlia | 5142 | *D. x hybrida* | A | 12-14" | BC | MS-F | TP | 6-8 | W | 7–14 | ◗ |
| Daisy | 6272 | *Chrysanthemum x super.* | P | 36" | BC | ES-MS | TP | 6-8 | W | 7–14 | |
| Daisy, Gloriosa | 5357 | *Rudbeckia hirta* | SSA | 24-36" | BCN | ES-LS | TP DF | 6-8 | W | 14-21 | |
| Dame's Rocket | 6074 | *Hesperis matronalis* | P | 24-36" | FB | ES | TP | 8-10 | W | 20-25 | ●Lt |
| Delphinium | 6080ff | *Delphinium x cultorum* | P | 3-6' | BCD | MS-LS | TP | 10 | M/W | 14–21 | Ch2-4w |
| Didiscus | 5147 | *Trachymeme coerulea* | A | 24" | CB | MS-LS | DW TP | 8 | W | 14–21 | |
| Echinacea | 4522ff | *Echinacea spp.* | P | 1-3' | BC | MS-LS | TP DW | 8-10 | W | 10-21 | ◗ |
| Euphorbia | 5149 | *E. marginata* | A | 24-36" | CNB | MS-F | DW TP | 3 | M | 9–14 | ◗ |
| Flax, Blue | 6120 | *Linum perenne lewisii* | P | 9-12" | B | ES-LS | DS TP DF | 6-8 | C | 21–28 | ◗ |
| Flax, Scarlet | 5150 | *Linum grandifl. rubrum* | A | 12-16" | B | MS-LS | DS | | | | |
| Forget-Me-Not, Chinese | 5110ff | *Cynoglossum amabile* | A | 18" | B | MS-LS | DW TP | 6 | M | 5-10 | |

ff=and following



# Flowers at a Glance

| Name | item# | Botanical Name | APB | height | uses | season | sow | start | temp | days | notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Four O'Clock | 5164 | *Mirabilis jalapa* | A | 24-36" | BF | ES-LS | TP DW | 6-8 | M | 5–7 | |
| Foxglove | 6110 | *Digitalis purpurea* | SSB | 24-36" | BN | MS-LS | TP | 6-8 | M | 10-18 | ◗Lt |
| Gazania | 5167 | *Gazania rigens* | A | 8-10" | B | LS-F | TP | 6-8 | M | 14-21 | Cv |
| Globe Amaranth | 5742ff | *Gomphrena globosa* | A | 2' | BD | MS-F* | TP | 8-12 | M | 7-30 | Dk, Ch5w |
| Godetia | 5171 | *Clarkia amoena* | A | 16" | B | ES-MS | DS-DW | | C | 10–14 | Lt |
| Heliotrope | 5172 | *Heliotropium arb.* | A | 14-18" | FWBC | MS-F | TP | 6-8 | W | 21–28 | ◗ |
| Hollyhock | 6140ff | *Alcea rosea* | SSB | 4-8' | BS | MS-LS | TP DF | 8-9 | WM | 7–21 | St |
| Honesty or Silver Dollar | 5762 | *Lunaria annua* | B | 3' | DN | LS-F | DS TP DF | 6 | M | 14-21 | ◗ |
| Impatiens | 5175 | *Impatiens spp.* | A | 8-14" | WB | ES-F | TP | 10 | W | 7–21 | ●Lt |
| Jacob's Ladder | 6160 | *Polemonium caeruleum* | P | 1' | B | ES | TP | 8-10 | M | 20-25 | ◗ |
| Job's Tears | 5773ff | *Coix lacryma-jobi* | A | 24-36" | DN | F | P | 6-8 | C | 7-14 | |
| Johnny Jump Up | 6170 | *Viola tricolor* | SSP | 4-6" | EB | Sp-F* | DS DF | | M | 12–14 | ◗ |
| Kale & Cabbage, Flowering | 5156ff | *Brassica oleracea* | A | 8-18" | BNE | F-F* | DS TP | 5-7 | C | 7–14 | start in June for Aug TP |
| Kiss-Me-over-the-Grdn | 5176 | *Polygonum orientale* | A | 6-7' | NSB | MS-F | DS DF TP | 4-6 | W | 14-20 | Cv, St |
| Larkspur | 5177ff | *Consolida spp.* | A | 24-36" | BCD | ES-F* | DS TP DF | 6-8 | C | 14-21 | ◗Cv, Ch1w |
| Lavatera | 5202ff | *L. trimestris* | A | 20-36" | BC | MS-F | DS TP | 6-8 | C | 14-21 | ◗Cv |
| Lobelia | 5215 | *Lobelia erinus* | A | 4" | BW | ES-F | TP | 6-8 | C | 20 | ◗S, Lt |
| Love-in-a-Mist | 5782ff | *Nigella spp.* | A | 15-24" | BD | MS-F | DS TP | 6 | C | 10–14 | |
| Love-Lies-Bleeding | 5217 | *Amaranthus caudatus* | A | 24-48" | BND | MS-F | TP | 5-6 | W | 7–10 | PP |
| Lupine | 6186 | *Lupinus polyphyllus* | P | 36" | B | ES | DS TP DF | 6–8 | C/M | 14–60 | ◗Sk, PP |
| Mallow | 4619, 5224 | *Althaea / Malva* | P,B | 4-6' | BNS | MS-F | DS DF | | | | |
| Maltese Cross | 6204 | *Lychnis chalcedonica* | P | 28-40" | BC | MS | TP | 8-10 | M | 7–14 | ◗ |
| Marigold | 5228ff | *Tagetes spp.* | A | 8-30" | BCW | MS-F | TP DW | 3 | W | 5–8 | Dk |
| Mignonette | 5263 | *Reseda odorata* | A | 10-15" | F | ES-LS | DW | | M | 10–14 | ◗S, Lt |
| Moon Lily | 5265 | *Datura inoxia* | A | 3' | BFN | MS-LS | | | | | |
| Morning Glory | 5271ff | *Ipomoea spp.* | A | 8-12' | VS | ES-F | DW TP | 3 | W | 10–21 | Sc, Sk, PP |
| Nasturtium | 5280ff | *Tropaeolum spp.* | A | 12-16" | BEWC | ES-F | DW TP | 3 | M | 10–14 | Cv |
| Nicotiana | 5300 | *Nicotiana sylvestris* | A | 4-6' | FN | MS-F | DS TP | 6-8 | W | 7–14 | Lt |
| Painted Tongue | 5303 | *Salpiglossis sinuata* | A | 15" | BC | ES-F | TP | 6-8 | M | 14-21 | |
| Pansy | 5304ff | *Viola x wittrockiana* | A | 6" | BCW | Sp-ES | TP DF? | 8-9 | C | 14–21 | ◗Dk |
| Pearly Everlasting | 5799 | *Anaphalis margaritacea* | P | 18-24" | DCB | MS-F | DS TP | 6-8 | C | 10-60 | |
| Penstemon | 6210 | *Penstemon barbatus* | P | 1-3' | C B | MS-LS | TP | 8-10 | C | 18-36 | Lt |
| Petunia | 5308ff | *P. x hybrida* | A | 4-6" | WBG | ES-F | TP | 8 | W | 7–14 | Lt |
| Phlox annual | 5313 | *P. drummondii* | A | 6-8" | BC | ES-F* | TP DS | 8 | C | 7–14 | ◗ |
| Phlox, perennial | 6234 | *P. paniculata* | P | 36" | BC | LS-F | TP DF | 10-12 | C | 21–30 | ◗St |
| Pincushion Flower | 5316 | *Scabiosa atropurpurea* | A | 36" | BC | MS-F* | TP DW | 4-5 | M | 14–21 | |
| Pink, Maiden | 6196 | *Dianthus deltoides* | P | 6" | BCG | ES-LS | TP | 6-8 | M | 7–14 | Lt |
| Poppy | 5318ff | *Papaver spp.* | SSA | 24-48" | BCND | MS-LS | DF DS | | | 14–21 | seeds edible |
| Poppy, California | 5352 | *Eschscholzia californica* | A | 8-12" | B | MS-LS | DS | | | 14–21 | |
| Poppy, perennial | 6244ff | *Papaver spp.* | P | 16" | BND | Sp-ES | DS | | | 7–14 | Lt |
| Portulaca | 5356 | *P. grandiflora* | A | 4-10" | BWG | MS-F | TP DW | 6-8 | W | 7–14 | Ch2w, Lt |
| Queen of the Meadow | 6266 | *Eupatorium purpureum* | P | 5-9' | BNC | LS-F | DS DF | 14-21 | C | 21-28 | S, St |
| Red Hot Poker | 6240 | *Kniphofia uvaria* | P | 32" | BCN | MS-LS | TP | 8-10 | C | | |
| Sage, Gentian | 5361 | *Salvia patens* | A | 30" | BC | MS-F | TP | 12-14 | M/W | 14-21 | S |
| Salvia | 5363ff,5804 | *Salvia farinacea* | A | 12-18" | BCD | MS-F | TP | 10-12 | M | 21 | S |
| Schizanthus | 5365 | *Schizanthus pinnatus* | A | 18" | BC | MS-F | TP | 8 | C | 7-14 | ◗S, Dk |
| Snapdragon | 5369 | *Antirrhinum majus* | A | 30-36" | BC | MS-F* | TP | 8-10 | C/M | 7–14 | ◗Ch2w, Lt |
| Sneezeweed | 6282 | *Helenium autumnale* | P | 4-5' | BC | LS-F | TP | 6-8 | M | 14-21 | |
| Starflower | 5810 | *Scabiosa stellata* | A | 18-24" | D | MS-F | TP | 8-10 | W | 7–14 | |
| Statice | 5816ff | *Limonium sinuatum* | A | 24-30" | DCB | MS-F | TP | 8-9 | M/W | 7–14 | S |
| Statice, German | 5848 | *Goniolimon tataricum* | P | 20" | D | LS-F | TP DS DF | 6-8 | W | 14–21 | |
| Statice, Russian | 5852 | *Psylliostachys suworowii* | A | 18" | BCD | MS-LS | TP | 6-8 | W | 14–21 | |
| Stock | 5374ff | *Matthiola incana* | A | 12-18" | BC | ES-F* | DS TP | 6-8 | M | 7–14 | S |
| Strawflower | 5864ff | *Helichrysum bracteatum* | A | 14-40" | DBC | MS-F | TP | 7-8 | W | 7–14 | Lt, S |
| Sunflower | 5400ff | *Helianthus spp.* | SSA | 2-12' | CNS | LS-F | DW TP | 3-4 | M/W | 7–14 | seeds edible |
| Sunflower, false | 6137 | *Heliopsis scabra* | P | 3-6' | BN | MS-F | TP | 10-12 | M | 21 | |
| Sunflower, Mexican | 5459ff | *Tithonia rotundifolia* | A | 4-6' | BNS | MS-F | TP DW | 6 | W | 7–14 | |
| Sweet Annie | 5884 | *Artemesia annua* | SSA | 36-60" | FD | LS-F | DF TP | 6-8 | C | 10–21 | ◗Lt, St |
| Sweet Pea | 5440ff | *Lathyrus odoratus* | A | 1-6' | CFSV | MS-LS | DS TP | 6-8 | C | 14–21 | Sk, Cv |
| Sweet Pea, perennial | 6296 | *Lathyrus latifolius* | P | 5-6' | CSV | MS-LS | DS | | C | 21-28 | Sk, Cv |
| Sweet William | 6306 | *Dianthus barbatus* | P | 18" | FBC | ES | DS TP | 6-8 | M | 7–14 | |
| Thyme, Creeping | 6316 | *Thymus serpyllum* | P | 2-3" | FGB | MS-LS | DS TP DF | 8-9 | C | 14–28 | ◗Lt |
| Venidium | 5461 | *V. fastuosum* | A | 18-24" | B | MS-F | TP | 8-10 | W | 14–21 | Lt |
| Verbena | 5463ff | *Verbena spp.* | A | 8", 48" | WBC | MS-F | TP | 6-8 | M | 14–21 | ◗Lt, Ch3w |
| Veronica | 6326 | *V. spicata* | P | 24-30" | BC | MS-LS | TP | 8-10 | M | 7–21 | ◗ |
| Winged Everlasting | 5890 | *Ammobium alatum* | A | 24" | D | MS-F | TP | 8-10 | M | 10–14 | |
| Xeranthemum | 5770 | *X. annuum* | A | 3' | CD | MS-F | TP DS | 8 | M | 7–21 | |
| Zinnia | 5465ff | *Zinnia spp.* | A | 20-42" | BC | MS-F | TP DW | 3-4 | W | 7–14 | |

ff=and following

**ABP**: A=annual, B=biennial, P=perennial, SS=self-sowing
**height**: typical height at maturity
**uses**: B=beds and borders, C=cutting, D=drying, E=edible, F=fragrance, G=ground cover, N=novel accent, S=screen, V=vining and climbing, W=windowbox, container
**season**: peak bloom time: Sp=spring, ES=early summer, MS=midsummer, LS=late summer F=fall until frost, F*=fall after frost
**sow**: DS=direct sow in spring ASAP, DW=direct sow when soil has warmed or after danger of frost has passed, TP=transplant, DF=direct sow in fall
**start**: suggested number of weeks before transplanting
**temp**: suggested soil temperatures for good germination: C=cool, 60-65˚, M=moderate, 65-70˚, W=warm, 70-85˚
**days**: number of days to seedling emergence
**notes**: ◗=can grow in partial shade, ●=can grow in full shade or part shade. (The rest need sun.) Lt=needs light to germinate, S=surface sow, Cv= cover seed, Dk=needs darkness to germinate, Sc=scarify seed with sandpaper or emery board, Sk=soak seed 12-24hrs, St=stratify seed; place in moist soil and freeze or refrigerate or alternate between the fridge and freezer, Ch=chill seed, sometimes specifies duration (d=days, w=weeks) and temperature, PP=use peat pots

## Directions for ordering SEEDS

- See pages 2 & 3 for more information.
- Order only seeds (#'s 1-6499) on seeds form. Do not order potatoes, cover crops, supplies or books here. Potatoes order form is page 70C. Cover crops, supplies and books order form is page 70E.
- Please fill in your address. We must have a road name for UPS shipments.
- Please plan your order before filling out the form. If you need more pages, make photocopies, download them from our website (www.fedcoseeds.com) or call (207) 873-7333.
- Please keep a copy of your order. Send us the original.
- Write clearly in **pen**, not pencil. Pencil fades and is hard to see at night.
- Your neatness helps us fill your order accurately and quickly. Avoid arrows, cross-outs and other distractions if possible.
- Make sure you have the correct catalog number with its two-letter suffix. Do not write the item name.
- Make sure you are ordering an available size. Write the code letter for the size. Do not write the weight.
- Please **make a subtotal for each column** and total your order even if paying by credit card.
- Writing your order in catalog number order is helpful, but not essential.
- Please start at #1 and fill consecutively. Skip spaces only for cross-outs. Finish the front side before using the back.
- All add-ons are treated as separate orders.

- **Only MAINE residents and people picking up orders pay sales tax**.
- All Fedco Seeds items are taxable.
- Seeds discounts apply only to items #1-6499.
- **Please attach a separate page for suggestions**.

When filling your order please include the catalog letters as well as the numbers. If you get a number wrong, the letters take the guesswork out of figuring out what you wanted. Using the letters, we have had only 8 collating errors out of almost 800,000 packets ordered in the past two years.

**Fedco Seeds' substitution policy**
We ask you on your order form whether you will accept substitutions and we abide by your wishes. By checking "yes" you will reduce the probabilities of getting out-of-stocked.
- If you ordered a snow pea, we will substitute a snow pea. We will give preference to very similar snow peas of comparable maturity date, height, color, etc, but will substitute any other snow pea we have if necessary. If we have no other snow peas, we will *not* substitute a shell pea or a bean or anything else.
- We will substitute hybrids for open-pollinated varieties only when that is our sole alternative.
- If we have to substitute a more expensive variety, we will not charge you more.
- If we run out of organically produced seed we will substitute high quality commercial seed for the same variety unless you instruct us otherwise.
- If we run out of commercial seed we may substitute organically produced seed for the same variety, but charge you only the commercial seed cost.
- We are sorry that we cannot honor specific substitution requests.

"Wow! Making out this order is like applying to college. I hope I get in!"
—Benjamin Labaree, Amesbury, MA

## Group orders

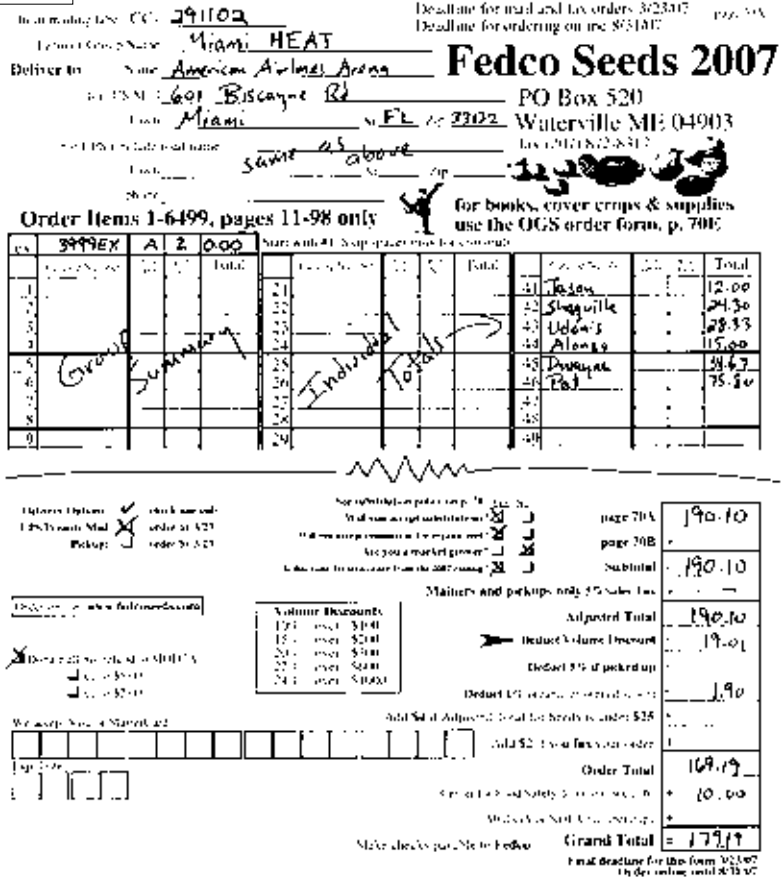
Bundle individual orders and send a summary form for each division with address information and totals. Please keep copies. We will pull and package each order separately and ship all to *one address*. Discounts apply to one division, combined totals. You may not combine orders from different divisions to qualify for a higher discount.

**How to prepare a summary form:**

- Attach a separate summary page for **each division** (Seeds, MT, OGS, Trees). Use an order form with no items on it, fill in name and address blanks and totals information. See example.
- A summary form without individual totals is acceptable.
- Please use **one method of payment** for each division order (one check or one credit card). You may combine totals for all divisions and send one check. Include credit card number and expiration date on summary form for each division.
- Additional orders over $50 qualify for original (or largest) discount. Indicate if you ordered seeds from us previously this season and tell what discount you qualify for.
- Figure all discounts from adjusted total. See example.
- Because our order turnaround is so rapid, we treat all add-ons as additional orders.

**Group coordinators' responsibilities:**

- Collect individual orders and payments from group members.
- Make sure each item of each individual order is on proper form (for example, no potatoes on the seeds form); make necessary corrections.
- Add up order subtotals for each division. Keep track of individual payments and settle with group members after the final shipment.
- If your total places you just over a discount level, consider buying a little more as insurance against a math mistake that would bring you back to a lower discount level.
- Bundle orders for each division with a summary and one payment and mail to us.
- Receive and distribute back-ordered items.
- Send us correction sheets for any errors in group order.



# Cultural Information and Planting Instructions for Herbs

| Name | item# | Botanical name | ABP | height | uses | part | sow | temp | days | notes | cover | sun |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Anise | 4406 | *Pimpinella anisum* | A | 1-3' | S B M | S | DS | M | 7-28 | | L | PF |
| Anise Hyssop | 4407 | *Agastache foeniculum* | P Z4 | 2-3' | B M | L F | DW TP | W | 7-14 | Lt | P | FP |
| Arnica | 4409 | *A. chamissonis* | P Z4 | 20" | M O | F | TP | C | | St | | F |
| Ashwagandha | 4411 | *Withania somnifera* | TP/A | 2-3' | M | R | TP | M | 7-21 | Lt | N | FP |
| Astragalus | 4412 | *A. membranaceus* | P Z4 | 18-48" | M | R | DS TP | M | 7-28 | Sc Sk | L | F |
| Basil | 4414ff | *Ocimum basilicum* | TA | 8-24" | S E M | L | TP DW | W | 4-10 | W | R | F |
| Basil, Sacred | 4464 | *Ocimum sanctum* | TA | 18-24" | S M | L | TP DW | W | 4-10 | | R | F |
| Bergamot | 4481 | *Monarda fistulosa* | P Z3 | 3-4' | B M O | L | DS DF | M | 7-14 | Lt | N | FP |
| Blessed Thistle | 4484 | *Cnicus benedictus* | A | 1-2' | M | F L | TP DS | M | 7-21 | St | L | F |
| Borage | 4490ff | *Borago officinalis* | SSA | 2-3' | E M O | F L | DS DF | C | 7-14 | | P | FP |
| Calendula | 5087 | *Calendula officinalis* | SSA | 18-24" | M O | F | DS | M | 4-14 | | R | FP |
| Caraway | 4507 | *Carum carvi* | SSB | 2' | S E | S L | DS | C | | | | F |
| Catnip | 4510 | *Nepeta cataria* | P Z3 | 1-2' | M B | L | DS DF | M | 7-10 | Lt | N | F |
| Chamomile | 4511 | *Matricaria recutita* | SSA | 8-18" | B M | F | DS | M | 10-14 | Lt | N | F |
| Chervil | 3044ff | *Anthriscus cerefolium* | B | 12-18" | S | L | DS | W | 7-14 | Lt | L | P(F) |
| Chives | 4512 | *Allium schoenoprasum* | P Z3 | 1-2' | S M E | L F | DS | C | 7-14 | | L | FP |
| Cilantro | 4514ff | *Coriandrum sativum* | A | 1-2' | S E | L S | DS | C | 7-14 | | R | F(P) |
| Coneflower | 4522ff | *Echinacea spp.* | P Z3 | 1-3' | M O | R F | TP DW | W | 14-21 | St Lt | L | F |
| Dill | 4530ff | *Anethum graveolens* | SSA | 2-5' | S M O | S L | DS | W | 7-21 | | R | F |
| Elecampane | 4550 | *Inula helenium* | P Z3 | 5-8' | M O | R | TP | M | 7-10 | Lt | N | FP |
| Fennel | 4556ff | *Foeniculum vulgare* | TP/A | 1-3' | S M E | L S | DS | M | 7-14 | | R | F |
| Feverfew | 4572 | *Tanacetum parthenium* | P Z4 | 18-30" | M O | L | TP DS | M | 7-14 | Lt | N | FP |
| Garlic Chives | 4577 | *Allium tuberosum* | P Z4 | 12-18" | S E | L F | DS | C | 7-14 | | L | FP |
| Horehound | 4580 | *Marrubium vulgare* | P Z3-4 | 20-24" | M | L | TP DS | M | 10-21 | | P | F |
| Hyssop | 4582 | *Hyssopus officinalis* | P Z3-4 | 12-18" | M O | L F | TP DF | C | 7-21 | | R | FP |
| Joe Pye Weed | 6266 | *Eupatorium purpureum* | P Z3-4 | 5-9' | M O | R | DS DF | M | 14-21 | St Lt | N | P |
| Lady's Mantle | 4584 | *Alchemilla mollis* | P Z3 | 12-18" | M O | L | TP | M | 21-30 | St Lt | N | FP |
| Lavender | 4586 | *Lavandula angustifolia* | P Z5 | 2-3' | M O | F L | TP DF | W | 14-28 | St Lt | P | F |
| Lemon Balm | 4588 | *Melissa officinalis* | P Z4 | 1-2' | B M S | L | TP DS | M | 7-14 | Lt | N | FP |
| Lemon Mint | 4589 | *Monarda citriodora* | SSA | 2-3' | B M | L | DS | M | 7-21 | | R | P(F) |
| Licorice | 4591 | *Glycyrrhiza glabra* | P Z8 | 2-4' | B M | R | TP | M | 10-14 | Sc Sk | L | FP |
| Lovage | 4592 | *Levisticum officinale* | P Z4 | 3-6' | S M | L | DS DF | M | 10-21 | | R | F(P) |
| Marjoram | 4616 | *Origanum majorana* | TP/A | 1-2' | S | L | TP | M | 7-21 | W | N | F |
| Marshmallow | 4619 | *Althaea officinalis* | P Z4 | 4-6' | M O | R L | DS DF | C | 14-21 | St | L | FP |
| Milk Thistle | 4630 | *Silybum marianum* | SSA | 3-5' | M E | S F L | DS DF | M | 7-14 | Lt | L | F |
| Mint | 4632 | *Mentha spicata* | P Z4 | 12-18" | S B M | L | TP DS | M | 7-14 | Lt | N | FP |
| Motherwort | 4639 | *Leonurus cardiaca* | P Z3 | 2-4' | M | L F | DS DF | M | 7-21 | Lt | L | F |
| Mullein | 4642 | *Verbascum thapsus* | B Z3 | 3-6' | M O | L F | DS TP | M | 14-21 | St Lt | R | F |
| Nettle | 4644 | *Urtica dioica* | P Z2 | 3-6' | E M | L | DS | M | 10-14 | Lt | R | FP |
| Oregano | 4648 | *Origanum heracleoticum* | P Z4 | 6-12" | S M | L | TP | M | 7-21 | Lt | N | F |
| Parsley | 3158ff | *Petroselinum crispum* | B Z3 | 8-12" | S E | L | DS DF | M | 14-60 | Sk | R | FP |
| Pennyroyal | 4651 | *Mentha pulegium* | P Z5-6 | 8-12" | M O | L | TP | C | 10-14 | | N | FP |
| Pleurisy Root | 6034 | *Asclepias tuberosa* | P Z3 | 18-30" | M O | R | DW | M | 14-28 | St | L | F |
| Rosemary | 4657 | *Rosmarinus officinalis* | TP Z7 | 3-5' | S M O | L | TP | M | 10-42 | St Lt | P | F |
| Rue | 4659 | *Ruta graveolens* | P Z3-4 | 2-3' | M O | L | DS TP | M | 10-21 | | R | FP |
| Sage | 4665 | *Salvia officinalis* | P Z4 | 2-3' | S B M | L | TP DS | W | 10-21 | Lt | P | F |
| Sage, White | 4668 | *Salvia apiana* | PZ6 | 2-3' | M | L | TP | W | 14-28 | W | L | F |
| St Johnswort | 4686 | *Hypericum perforatum* | SP Z3 | 1-3' | M | F L | DS DF | M | 14-28 | St Lt | N | F |
| Salad Burnet | 4669 | *Sanguisorba minor* | PZ4 | 1' | E M | L | TP | C | | | | F |
| Savory, Summer | 4672 | *Satureja hortensis* | A | 12-18" | S M | L | DS | W | 7-14 | Lt | R | F |
| Savory, Winter | 4674 | *Satureja montana* | P Z3 | 6-12" | S M | L | TP | M | 10-21 | Lt | N | F |
| Shiso | 4680 | *Perilla frutescens* | TA | 2-3' | S M O | L | TP | W | 7-14 | Sk St Lt | L | FP |
| Skullcap | 4682 | *Scuttelaria lateriflora* | P Z4 | 1-2' | M O | L F | TP | M | 14-21 | St | P | P |
| Skullcap, Baikal | 4681 | *Scuttelaria baicalensis* | P Z4 | 1-2' | M O | R | TP | M | 14-21 | St | P | F |
| Spilanthes | 4683 | *Spilanthes oleracea* | TA | 8-12" | M O E | F L | TP | W | 4-10 | | P | F |
| Stevia | 4684 | *Stevia rebaudiana* | A P Z9 | 24" | S | L | TP DW | W | 7-21 | Lt | L | FP |
| Sweet Woodruff | 4698 | *Galium odoratum* | PZ5 | 6-8" | O M S | L | DS DF | C | 28-200 | | P | Sh |
| Thyme | 4687 | *Thymus vulgaris* | P Z4 | 6-12" | S M | L | TP | C | 14-28 | Lt | N | F |
| Valerian | 4690 | *Valeriana officinalis* | P Z4 | 3-5' | M O | R | DS | M | 10-21 | St | L | FP |
| Vervain | 4692 | *Verbena hastata* | P Z4 | 5-6' | M O | R | TP | M | 21-28 | St Lt | N | F |
| Yarrow | 4699 | *Achillea millefolium* | P Z2 | 1-2' | M O | F L | DS DF | W | 10-14 | Lt | N | F |

ff=and following

**ABP**: A=annual, B=biennial, P=perennial, TA= tender annual, SSA=self-sowing annual, TP=tender perennial, TP/A=tender perennial grown as annual, SP=short-lived perennial, Z=hardiness zone.
**height**: typical height at maturity.
**uses**: S=seasoning, B=beverage, M=medicine, O=ornamental, E=edible.
**part**: part that is used: S=seed, L=leaf, F=flower, R=root.
**sow**: DS=direct sow in spring ASAP, DW=direct sow when soil has warmed or after danger of frost has passed, TP=transplant, DF=direct sow in fall. Nearly any herb can be started indoors and transplanted, but this tends to be more work; TP means this method is strongly suggested for best results. Many perennials can be started in early summer indoors or out; they take several years to mature anyway, what's a few months?
**temp**: suggested soil temperatures for good germination: C=cool, 60-65˚, M=moderate, 65-70˚, W=warm, 70-85˚.
**days**: number of days to seedling emergence.
**cover**: L=cover lightly, P=pat down gently, R=rake or scuffle into soil, N=no, don't cover.
**notes**: Lt=needs light to germinate, Sc=scarify seed with sandpaper or emery board, Sk=soak seed 12-24 hrs, W=water sparingly, St=stratify seed; place in moist soil and freeze or refrigerate or alternate between the fridge and freezer.
Nearly any herb requiring stratification can be fall-sown in a cold frame—the winter does the work for you!
**sun**: F=full sun, P=part sun, FP=prefers full but tolerates part, PF=prefers part but tolerates full, Sh=shade, P(F)=prefers part, tolerates full only in cool or moist areas, F(P)=prefers full sun, needs part shade in hot climates.

# HERBS

Seeds per packet for herbs are approximate. They are intended as guides, not guarantees, because we pack by weight, not by count.

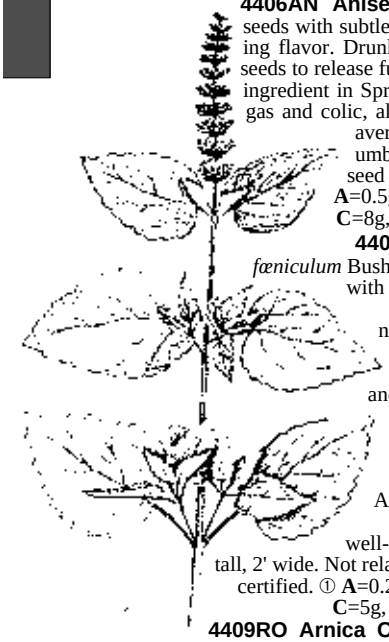
**See chart on p. 71 for uses and cultural information. A botanical index appears on p. 98.**

Archeological evidence dates the medicinal use of herbs back 60,000 years to the Neandertals. 85% of the world's population employ herbs as medicines, and 40% of pharmaceuticals in the U.S. contain plant-derived materials. Fewer than 10% of the 100,000 known higher plant species have been investigated yet for their medicinal components, a good reason for preventing extinction of plant species. Interest in traditional herbal home remedies continues to grow. Consult herbals for more detailed information.

**#2192** Takinagawa burdock**, #5087** Resina Calendula, as well as Oats, Mammoth Red Clover, and Alfalfa in the cover crops section also have medicinal uses. Other medicinal herbs, including Black Cohosh and Ginseng, are available from our Trees catalog. Some herbs are customarily grown from divisions or cuttings because they cannot come true from seed, such as French tarragon (also available in our Trees catalog), scented thymes and flavored mints; some require fall sowing of fresh seed, such as sweet cicely and angelica.

To use fresh herbs in cooking triple the dried quantity called for in a recipe. Drying herbs at home is not difficult, and whole leaves retain their flavor longer than those crumpled or powdered. The flavor should last at least a year.

Statements about medicinal use of plants have not been evaluated by the FDA, and should not be used for the diagnosis, treatment, cure or prevention of any ailment. Before using or ingesting any medicinal plant, consult a healthcare practitioner familiar with botanical medicine.

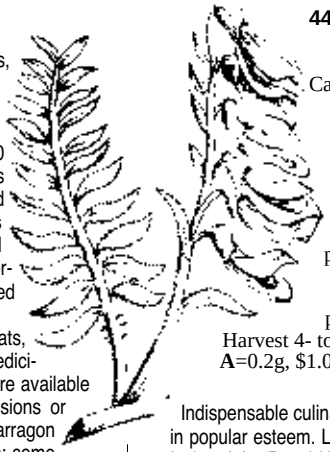


**4406AN Anise** *Pimpinella anisum* Annual bears seeds with subtle licorice overtones and a spicy warming flavor. Drunk as a tea in the Middle East. Crush seeds to release full flavor. Used in baking, an essential ingredient in Springerle. Anise helps ease indigestion, gas and colic, also relaxes dry tight coughs. Plant in average-to-rich soil. Sets small white umbel flowers in July which ripen their seed in August and September. 1-3' tall. ③ **A**=0.5g, 90¢ (~100 seeds), **B**=2g, $2.20, **C**=8g, $5.00, **D**=40g, $12.00 (200 seeds/g)

**4407AO Anise Hyssop OG** *Agastache fœniculum* Bushy midwestern native permeates the air with sweet licorice fragrance. An outstanding insectary plant, its long-blooming nectar-laden purple flowers attract bees and parasitic wasps, butterflies and hummingbirds. Anise-scented foliage and flowers delightful for tea or culinary seasoning or filler in mixed bouquets. The tea induces sweating and strengthens the heart, was used also for fevers, colds, and by Native Americans as a cough medicine. Sow or transplant 1-1½' apart in well-drained loam. Perennial can grow 3' tall, 2' wide. Not related to anise or hyssop. Zone 4. MT-certified. ① **A**=0.2g, $1.00 (~520 seeds), **B**=1g, $2.20, **C**=5g, $5.50, **D**=25g, $14.00 (2,600 seeds/g)

**4409RO Arnica Chamissonis OG** *A. c.* Meadow arnica is a native American species that will grow successfully in low-elevation gardens. *A. chamissonis* has been tested and is generally accepted as a substitute for the official European form *A. montana.* Use the yellow flowers at full flowering either fresh or dried, in compresses and salves as an external remedy on unbroken skin to reduce swelling and bruising caused by traumatic injury, and on arthritic joints. 20" perennials yield well with multiple flower stalks blooming for most of the early season. Stratify seed and give it light to germinate. Start indoors and transplant into humus-rich soil in full sun. OT-certified. ① **A**=0.02g, $1.00 (~50 seeds), **B**=0.1g, $3.00, *not available in larger sizes*. (2,500 seeds/g)

**4411WO Ashwagandha OG** *Withania somnifera* Supposedly its name in Sanskrit means "the vitality of the horse" and it is said to impart such energy; *somnifera* promotes sleep. This herb has wide value, being generally known as the ginseng of Ayurvedic medicine. Upright shrub exceeds 2' with inconspicuous green-to-yellow flowers ripening to red berries. Roots are dried at the end of the growing season and used internally (other plant parts are toxic if eaten). One of the best rejuvenators, especially good for the elderly, it tones without overstimulating and can be used in all conditions of weakness and chronic debilitation. Needs warmth and light to germinate. Sow indoors in the spring and transplant out to dry stony soil in sun or partial shade in June. Perennial, grown as an annual here in the north. OT-certified. ① **A**=0.1g, $1.00 (~100 seeds), **B**=0.4g, $2.50, **C**=1.2g, $5.50 (1,000 seeds/g)



**4412TO Astragalus OG** *A. membranaceus* Safe effective adaptogenic tonic to use daily throughout the year, aiding digestion and promoting immune system health (*wei qi*). Called *huang qi* in Chinese and Chinese Milk Vetch Root in English. Especially good for vegetarians. Also used in cases of exhaustion, food allergy, or depression. Used in China to increase assimilation, improve digestion, and eliminate excess fluid. The American Cancer Society published research showing immune strengthening among patients taking astragalus; other clinical research shows antibacterial effects, increased white blood cell production and decreased negative side effects for patients undergoing chemo and radiation therapies. Small pea-like flowers on upright stems with vetch-like leaves. 1½-4' perennial. Plant in deep well-drained slightly alkaline soil. Harvest 4- to 6-year-old roots in the fall. Zone 4. Demeter-certified. ① **A**=0.2g, $1.00 (~10 seeds), **B**=0.6g, $2.80, **C**=2.4g, $8.00 (50 seeds/g)

## BASIL *Ocimum basilicum*

Indispensable culinary herb, in cultivation for more than 3,000 years, has fluctuated in popular esteem. Labeled the "insanity plant" by ancient Greeks and Romans, but declared the Royal Herb of France in the 16th century and named 2003 Herb of the Year. The Taiwanese call it "nine-storied tower." Basil is by far our most popular herb, the various kinds selling over 8,000 packets annually. Direct seed when soil warms in late spring or transplant after danger of frost in well-drained moderately rich soil. Young seedlings heavily watered in cool cloudy conditions are vulnerable to damping off. Water sparingly at first. Use row covers to enhance early season vigor and speed maturity. Thin to 8-12", top mature plants to induce branching which will increase your total yield. Harvest before plants blossom. Absolutely intolerant of frost, damaged by temperatures in the 30s. Except where otherwise indicated, samples of all our basil seed have been tested and found to be fusarium-free. While not guaranteeing the entire lot is fusarium-free, negative samples improve your odds.

**Sweet** The heaviest-yielding variety, recommended for drying, all-around great eating, and large-scale pesto production. We sold 3,400 packets last year of these two strains of Sweet basil.

**4414SB Sweet** Genova strain. ⑤ **A**=4g, $1.00 (~2300 seeds), **B**=28g, $2.50, **C**=112g, $6.00, **D**=336g, $15.00 (576 seeds/g)

**4415WO Sweet OG** PSO-certified. ⑤ **A**=4g, $1.50 (~2300 seeds), **B**=28g, $4.00, **C**=112g, $10.00, **D**=336g, $24.00 (576 seeds/g)

**4418GB Genovese** The choice of many connoisseurs for making pesto. Also called Perfumed Basil. Leaves are slightly smaller and finer than Sweet Basil with more aroma and potency. *Not tested for fusarium.* ② **A**=2g, 80¢ (~1300 seeds), **B**=10g, $2.00, **C**=40g, $5.50, **D**=160g, $12.00 (650 seeds/g)

**4422MB Mammoth** This lettuce-leaf type has very large ruffled leaves especially suitable for drying or stuffing. Flavor similar to sweet basil. *Not tested for fusarium.* ② **A**=1g, 90¢ (~600 seeds), **B**=7g, $2.40, **C**=28g, $7.00, **D**=84g, $13.00 (600 seeds/g)

**4430SG Spicy Globe** *O. b. minimum* This marvelous little basil grows to about 8" and maintains a compact mound of light green leaves and white flowers. Its leaves are small, thin and strongly scented. Great as an ornamental border, in a windowbox, or as an indoor potted plant which can be snipped for culinary use. *Not tested for fusarium.* ②**A**=0.5g, 90¢ (~420 seeds), **B**=5g, $2.20, **C**=15g, $5.50, **D**=60g, $14.00 (840 seeds/g)

**4436AB Anise** Originally from Persia. Vigorous mulberry-tinted basil with anise fragrance makes highly decorative tall bushy plant. Slow to bolt. Great in Italian tomato sauces. Also used in Thai and various Mediterranean cuisines. *Not tested for fusarium.* ② **A**=0.5g, 90¢ (~330 seeds), **B**=7g, $2.20, **C**=28g, $5.50, **D**=84g, $14.00 (660 seeds/g)

"To say, 'Plants or people, which is more advanced?' We automatically assume we're more advanced, but it depends on what advances you value. We value what we got good at…I think the plants have more figured out than we do. They're very good at what they do."
—Michael Pollan

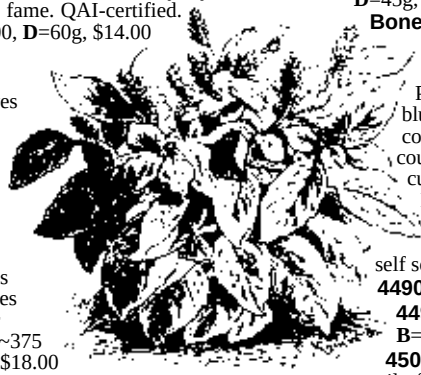
**4441RO Aromato OG** Broaden your basil palette with this dramatic bicolor ornamental! Broad bushes of mottled purple and green grow to 2½', providing a focal point in your garden. Starts purple and takes on more green coloration, with a pleasing anise-y flavor and scent which intensify when it is dried. Makes a great herbal vinegar. **NEW!** Agrior-certified. ③
**A**=0.5g, $1.20, **B**=3g, $2.50, **C**=12g, $6.00, **D**=36g, $14.00

**4448LO Lemon OG** *O.b. citriodorum* Basil often used in bouquets for its intense lemon fragrance. Not as vigorous as #**4449** Sweet Dani and more vulnerable to blight, but with a stronger truer lemon flavor. Great for flavoring fish and fowl dishes. Native to Thailand and Southeast Asia and featured in those cuisines. *Not tested for fusarium.* CCOF-certified. ③ **A**=0.5g, $1.00 (~350 seeds), **B**=4g, $2.50, **C**=16g, $5.50, **D**=48g, $14.00 (700 seeds/g)

**4449SD Sweet Dani Lemon** 1998 AAS for its extraordinary vigor which manifests even in the seedling stage and continues through the summer. Tall upright plant reaching almost 30" is 2-3 times as vigorous as #**4448** Lemon basil with heavier yields of large light green leaves. Does not need coddling. ⑤ **A**=0.5g (~250 seeds), $1.30, **B**=1.5g, $2.50, **C**=4.5g, $6.00, **D**=13.5g, $16.00 (500 seeds/g)

**4450MO Mrs. Burns Lemon OG** Chosen for its intense lemony fragrance. Medium-sized bright green leaves. Heirloom variety grown for 60 years in southeastern New Mexico, first offered commercially by Native Seeds/Search, has now achieved nationwide fame. QAI-certified. ② **A**=0.5g, $1.00, **B**=4g, $2.20, **C**=20g, $6.00, **D**=60g, $14.00

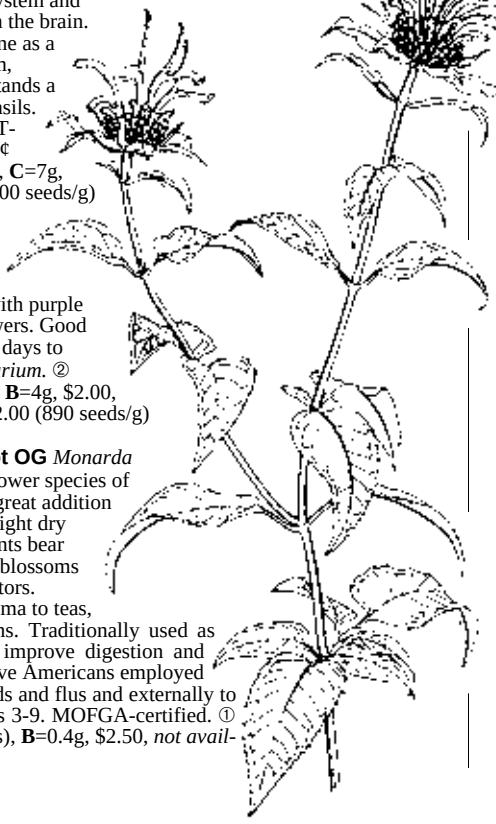
**4452LM Lime** *O. americanum* Imparted a robust lime fragrance to our patch. More vigorous than lemon basil, darker green leaves with a stronger limier flavor. *Not tested for fusarium.* ② **A**=0.25g, 90¢ (~150 seeds), **B**=1g, $2.20, **C**=4g, $4.00, **D**=16g, $8.00 (600 seeds/g)



**4456RR Red Rubin** More vigorous than Purple Ruffles. Highly ornamental dark purplish-bronze foliage. The green leaf throwbacks have been mostly bred out of this improved strain. A salad of purple basil leaves and yellow tomatoes is stunning for its color contrast. From Denmark. ⑤ **A**=0.5g, $1.10 (~375 seeds), **B**=2g, $3.00, **C**=10g, $7.00, **D**=30g, $18.00 (750 seeds/g)

**4461PR Purple Ruffles** Deep purple plants with serrated and crinkled leaves for striking visual contrast in the herb garden. Imparts attractive color to basil vinegars. Not a vigorous grower in our climate but will reach a height of 18" in the heat of summer. Some plants will have green foliage and in some the green will be mixed with purple. PVP. AAS. *Not tested for fusarium.* ③ **A**=0.25g, $1.00 (~125 seeds), **B**=1g, $2.00, **C**=4g, $5.50, **D**=12g, $14.00 (500 seeds/g)

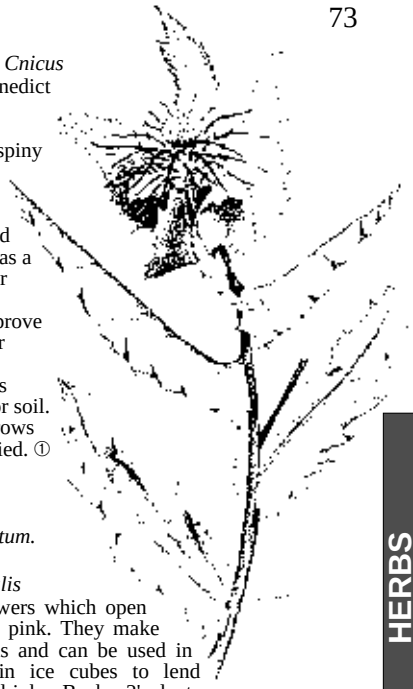
**4464SO Sacred OG** *O. sanctum* Native to India and used in Indian as well as Thai cuisine. Spicier than other basils and quicker to go to seed, but still usable when covered with purple flowers. Strengthens the immune system and increases oxygen uptake in the brain. Used in Ayurvedic medicine as a poultice on acne, ringworm, eczema and insect bites. Stands a bit more cold than other basils. *Not tested for fusarium.* OT-certified. ① **A**=0.1g, $1.00¢ (~180 seeds), **B**=1g, $2.50, **C**=7g, $6.00, **D**=21g, $12.00 (1,800 seeds/g)



**4470TB Thai** This basil lends the distinctly strong licorice-anise flavor to Thai food. An attractive 12-18" fine-leaved plant with purple stems, seed heads and flowers. Good container plant as well. 60 days to harvest. *Not tested for fusarium.* ② **A**=0.5g, 90¢ (~445 seeds), **B**=4g, $2.00, **C**=12g, $5.00, **D**=36g, $12.00 (890 seeds/g)

**4481BO Wild Bergamot OG** *Monarda fistulosa* Our native wildflower species of the familiar bee balm is a great addition to the perennial border in light dry alkaline soils. The 3-4' plants bear aromatic lavender-fringed blossoms highly attractive to pollinators. Leaves impart pungent aroma to teas, potpourri, meats and beans. Traditionally used as an aromatic stimulant to improve digestion and increase perspiration. Native Americans employed it internally to combat colds and flus and externally to calm skin eruptions. Zones 3-9. MOFGA-certified. ① **A**=0.1g, $1.00 (~285 seeds), **B**=0.4g, $2.50, *not available in larger sizes.*

**4484HO Blessed Thistle OG** *Cnicus benedictus* Also known as St. Benedict Thistle, Holy Thistle and Sacred Thistle. A hairy annual featuring branched bristly red stems, long spiny leaves with sinuate margins, and spine-encircled yellow flowers, blooming from July through September. Its leaves, flowers and roots are edible, the latter boiled as a vegetable. Used as a liver tonic or digestive bitter; said to stimulate gastric and bile secretions, to improve mother's milk, and to be good for hormonal imbalances. Originally from the Mediterranean, it prefers warm dry sunny locales with poor soil. *May be emetic in large doses.* Grows 2' tall and 1-1½' wide. OT-certified. ① **A**=0.5g, $1.00 (~20 seeds), **B**=3g, $2.50, **C**=15g, $7.00, **D**=45g, $18.00 (40 seeds/g)



**Boneset** *Eupatorium perfoliatum. Not available in 2007.*

**Borage** *Borago officinalis* Produces many small flowers which open blue, turn purple and then pink. They make colorful additions to salads and can be used in cough syrups or frozen in ice cubes to lend cucumber flavor to cold drinks. Bushy 2' plants. Enjoy very young leaves in a salad on a hot day to benefit from their cooling properties. A nourishing tea for nursing mothers. Seeds a good source of GLAs. Annual likes sun, prefers poor dry soil, will self sow. Young plants are easy to move around. Survives light frosts.

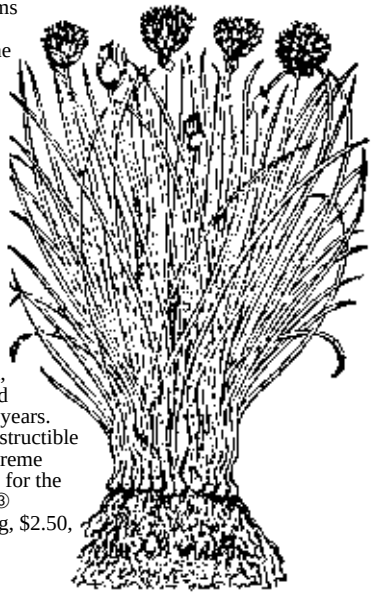
**4490BR Borage** ②③ **A**=1g, 90¢ (~50 seeds), **B**=14g, $2.20 (50 seeds/g)

**4491BO Borage OG** Agrior-certified. ③ **A**=0.5g, $1.10 (~25 seeds), **B**=4g, $2.60, **C**=16g, $8.00, **D**=80g, $20.00 (50 seeds/g)

**4507CW Caraway** *Carum carvi* Feathery-leaved 2' biennial grown primarily for its seeds which season soups, stews, breads and pastry. Its leaves are also edible, though milder than the seeds. Direct seed either in early spring or late summer for seeds the second year. Likes full sun. Will self-sow. ② **A**=0.5g, 80¢ (~190 seeds), **B**=7g, $2.00, **C**=28g, $5.00, **D**=112g, $11.00 (380 seeds/g)

**4510CN Catnip** *Nepeta cataria* "If you set it, the cats will get it; if you sow it, they won't know it." Hardy perennial, will self-sow once established. Likes rich or sandy soils, tolerates poor soil and drought. Calms mild stomach disorders, produces restful sleep and relieves fever when added to teas. Tovah Martin writes that rats are reputed to despise it, so it is sometimes used as a companion plant for melons and squashes. Catnip a top-notch mosquite repellant? That's what researchers at Iowa State University claim. They suggest crushing and rubbing catnip leaves on the skin is several times more effective than using Deet. Zones 3-8. ②③ **A**=1g, 90¢ (~1400 seeds), **B**=7g, $2.20, **C**=28g, $5.50, **D**=112g, $12.00 (1,400 seeds/g)

**4511GC German Chamomile** *Matricaria recutita* Annual easily raised from seed in moist well-drained soil. Plant densely so plants support each other. Planting in rich soil or cutting the foliage reduces flower production. More floriferous than perennial (Roman) chamomile. Flower heads ready to gather when petals fall back from center. Try using a blueberry rake to harvest them. Chamomile tea calms nerves and soothes the stomach. Fresh tea is much stronger than the stuff you get in tea bags. ③ **A**=1g, $1.00, **B**=3g, $2.20, **C**=15g, $5.50, **D**=45g, $12.00 (9,500 seeds/g)



**4512CO Chives OG** *Allium schoenoprasum* Hardy perennial. 1-2' hollow grasslike leaves enhance any dish with their subtle onion flavor, providing a fine treat in very early spring. Lilac-colored flowers bloom in June and July, lovely in arrangements fresh or dried, also can be eaten. Used in Asia as a remedy for colds and flu. For best production, grow in well-drained well-watered soil and divide clumps every few years. However, I have found them indestructible even with complete neglect in extreme conditions. Can be brought inside for the winter. Zone 3. CCOF-certified. ③ **A**=0.5g, $1.00 (~450 seeds), **B**=7g, $2.50, **C**=28g, $6.00, **D**=112g, $15.00 (900 seeds/g)

## CILANTRO *Coriandrum sativum*

Useful for its fresh green foliage, its dried seeds (coriander) and its edible flowers. Attracts many beneficial insects. Produces leaves in generous quantity which are an essential flavoring in Indian, Chinese, Southeast Asian, North African and Latin American cooking. Although some people do not care for its odor, it accentuates soups, salsas and bean dishes like no other herb. University of California chemist Isao Kubo has discovered a compound in cilantro leaves called dodecenal that kills the common food-borne pathogen salmonella. Annual grows to 2' with whitish blooms. Make succession plantings in average well-drained soil and keep watered for lushest leaf production. In warm locations will stand longest as a fall crop. Thin early. Among herbs, only Sweet Basil is more popular.

**4514CL Cilantro** ②③ **A**=2g, 80¢ (~120 seeds), *not available in larger sizes.*

**4515LO Cilantro OG** CCOF-certified. ③④ **A**=1g, $1.00 (~60seeds), **B**=4g, $2.20, **C**=56g, $5.00, **D**=224g, $14.00 (60 seeds/g)

**4517RO Caribe OG** The best of the ten strains of cilantro in our 2006 trial. Received high marks from trialer Heron Breen as "hardworking with lots of excellent eating foliage and great flavor." Longstanding; was barely beginning to flower on July 9. SKAL-certified. **NEW!** ④ **A**=1g, $1.00, **B**=4g, $1.80, **C**=28g, $2.50, **D**=112g, $7.00, E=448g, $20.00

**4520DF Delfino** A new form of cilantro with unique lacy foliage more resembling dill. Awarded 2006 AAS for its originality. Has the same pleasing taste as other cilantro, but with delicate melt-in-the mouth texture. A cilantro for salads of all types, would be a hit combined with dill in potato salads. **NEW!** ④ **A**=1g, $1.00 (~100 seeds), **B**=4g, $1.80, **C**=28g, $2.50, **D**=112g, $7.00, **E**=448g, $20.00 (100 seeds/g)

## CONEFLOWER *Echinacea spp.*

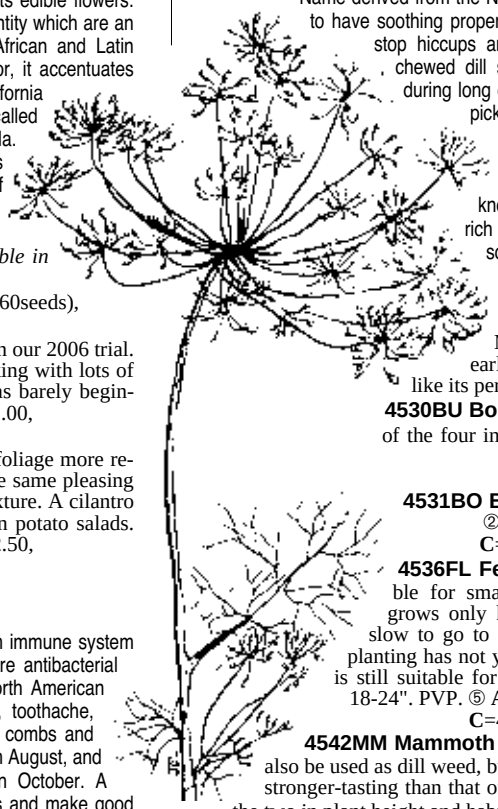
Possibly the best-known of the medicinal herbs, widely used as an immune system stimulant. Species contain slightly differing constituents, but all are antibacterial and antiviral. Ethnobotanists have identified at least 14 native North American nations which used Echinacea for similar purposes: sore throat, toothache, infection, wounds, snake bite and skin disorders, as well as hair combs and children's toys. Joanna Linden likes to tincture flowers and leaves in August, and use the same alcohol to tincture seeds and third-year roots in October. A wonderful garden perennial: late summer blooms attract butterflies and make good cutflowers; dew collects in the spiral mandala coneheads. Start indoors at 70-75˚, germinates in 15-20 days. Grow on at 60-65˚. Set out 18-24" apart. Zones 3-10.

**4522NL Narrow-Leaved Coneflower** *E. angustifolia* Smallest and least vigorous of all the species, but with more tongue-tingling properties than the others. Small taproots can be difficult to harvest. Overharvesting in the wild by zealous collectors has endangered this species, so cultivate some for your use. Short rose-pink petals, spreading and toothy. Tapered hairy leaf. 6-20" tall. Native to dry prairies west of the Mississippi, Saskatchewan to Texas. ③ **A**=0.5g, $1.00 (~145 seeds), **B**=1.5g, $2.50, **C**=6g, $6.00, **D**=24g, $16.00 (291 seeds/g)

**4525CO Purple Coneflower OG** *E. purpurea* Large, showy, vigorous and hardy, a popular garden perennial since the early 1700s. Large fibrous roots are easy to harvest. Though not a mix, it shows colorful flower variations from rose to lavender to purple which lend interest to the patch. Long downward curving petals around large spiny centers. Broad toothed leaf. Easy-to-grow, 2-4' tall, native to a wide range of habitats, from Appalachian woods to midwest prairies. Hardy even through the bad winter of 2004. MOFGA-certified. ① **A**=1g, $1.00 (~240 seeds), **B**=4g, $2.50, **C**=16g, $6.00, **D**=48g, $15.00 (240 seeds/g)

## DILL *Anethum graveolens*

Name derived from the Norse *dilla*, meaning "to lull," as the plant is said to have soothing properties. Charlemagne used dill oil at banquets to stop hiccups and belching among his guests. The Puritans chewed dill seed to keep their stomachs from grumbling during long church services. Best known in this country for pickling, but essential for Russian, Polish and Hungarian cuisine. Annual, sometimes classed as biennial, grows to 4'. Upright plant branches out from single stalk; the feathery leaves known as dill weed. Likes well-drained moderately rich soil. We've heard anecdotal evidence that dill sown near squash plants will deter squash bugs.



**Bouquet** Bouquet is usually grown for dill weed production because its leaves are sweeter and more refined than those of Mammoth. Foliage should be harvested early, before seed stalks mature. Growers will like its performance in packs.

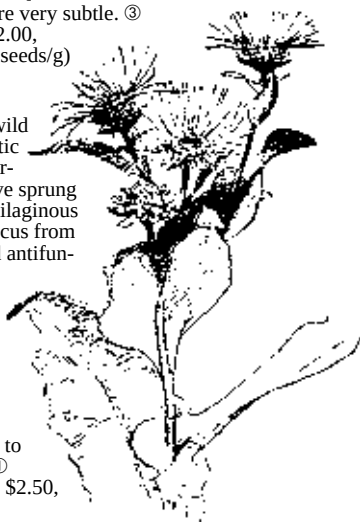
**4530BU Bouquet** The biggest, best and ferniest strain of the four in our lot grow-out. ②③ **A**=4g, 80¢ (~2800 seeds), **B**=28g, $2.20, **C**=224g, $5.00, **D**=448g, $8.50 (700 seeds/g)

**4531BO Bouquet Dill OG** CCOF or QAI-certified. ②③ **A**=2g, 90¢ (~1400 seeds), **B**=8g, $2.00, **C**=40g, $5.00, **D**=200g, $12.00 (700 seeds/g)



**4536FL Fernleaf** 1992 AAS. A dwarf variety suitable for small gardens or patio containers, Fernleaf grows only half as tall as other varieties and is very slow to go to seed. As of September, most of our May planting has not yet bolted, and its abundant piquant foliage is still suitable for harvesting. Multibranching plants spread 18-24". PVP. ⑤ **A**=0.5g, $1.20 (~240 seeds), **B**=1.5g, $2.50, **C**=4.5g, $5.00, **D**=13.5g, $13.00 (480 seeds/g)

**4542MM Mammoth** Variety generally grown for its seeds. Can also be used as dill weed, but the foliage is slightly darker, coarser and stronger-tasting than that of Bouquet. Otherwise, differences between the two in plant height and habit are very subtle. ③ **A**=4g, 80¢ (~2,800 seeds), **B**=28g, $2.00, **C**=224g, $5.00, **D**=448g, $8.50 (700 seeds/g)



**4550EO Elecampane OG** *Inula helenium* Also known as horseheal, wild sunflower and elf dock. Large dramatic plant is an excellent lung tonic. Important to the ancient Greeks, said to have sprung from the tears of Helen of Troy. Mucilaginous root relaxes lungs and helps clear mucus from them, calms cough. Antibacterial and antifungal, also used for asthma, bronchitis, cough and flu, especially in children. Helpful for scabies, herpes and other skin disorders (an old name is Scabwort). Plant in heavy moist well-drained loam with generous helpings of compost. Dig root in mid fall. 5-8' perennial with large bright yellow rayed flowers, blooming May to August. Zone 3. MOFGA-certified. ① **A**=0.1g, $1.00 (~160 seeds), **B**=0.3g, $2.50, **C**=1.2g, $6.00, **D**=3.6g, $12.00 (1,600 seeds/g)

## FENNEL *Fœniculum vulgare*

Genus gets its name from the Latin for hay, referring to the smell of the foliage. Perennial grown as an annual with a rich licoricey taste. Tender stalks and leaves are good for relishes, salads, and garden munches; leaves and seeds excellent with fish. Seeds used in sweets, baked goods & beverages. Bread becomes impregnated with a faint licorice scent when seasoned with fennel. Fennel prefers rich well-drained slightly limey soil. Direct seed in late April or early May, do not allow to dry out.

**4556ZF Zefa Fino** Bulbing type. 3' with edible blue-green stems and feathery green leaves. When we compared this strain, bred at the Swiss Federal Research Station, with some of the traditional Italian varieties, it proved much more resilient under stress and much less likely to bolt than any of the others. A spring planting will stand till late summer. We advise a 2nd sowing around July 1 for crisp juicy bulbs till October. Thin to approximately 10" apart in 18" rows. ③ **A**=0.5g, 90¢ (~100 seeds), **B**=3g, $2.40, **C**=9g, $6.00, **D**=27g, $14.00 (200 seeds/g)

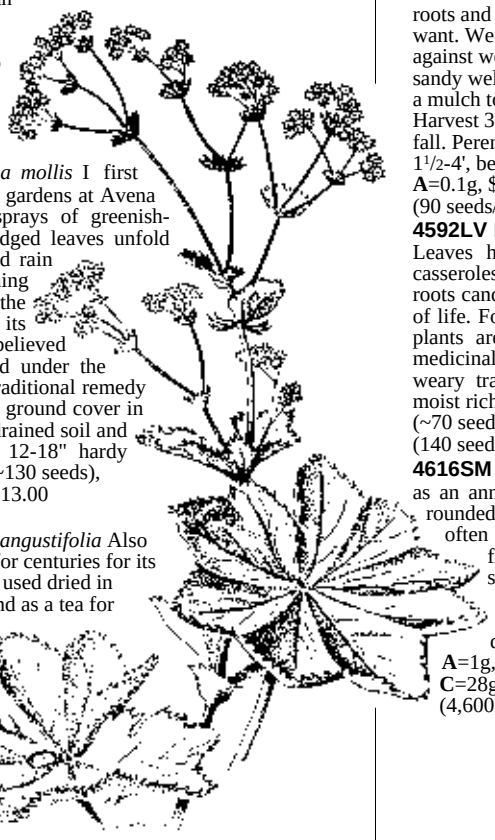
**4567BO Bronze OG** Slow grower with very thin stems valued for its striking feathery bronze foliage. Delicious and decorative. An intriguing addition to mesclun and to flower beds. OT-certified. ① **A**=0.2g, $1.00 (~75 seeds), **B**=0.6g, $2.50, **C**=3g, $5.50, **D**=30g, $14.00 (375 seeds/g)

**4572FO Feverfew OG** *Tanacetum parthenium* Strongly scented bushy plant with beautiful daisy-like white blooms good in bouquets. A tea from the leaves was traditionally used as a relaxant. Chewing regularly on a bitter leaf or two is said to prevent migraines. Sow indoors, set out in average well-drained soil when seedlings have four true leaves. Perennial to Zone 4, maybe 3. Self-sows prolifically. MT-certified. ① **A**=0.1g, $1.00 (~500 seeds), **B**=0.4g, $2.20, **C**=2g, $5.50, **D**=8g, $12.00 (5000 seeds/g)

**4577GC Garlic Chives** *Allium tuberosum* Also called Chinese chives or Chinese leeks. Known as *jui zi* in China. 1' chive-like herb tastes like garlic and can be used as a garlic substitute in salads and sautéed vegetables. White flowers may be eaten or used in dried arrangements. Has been used to warm the kidneys and stomach, to treat urinary incontinence and impotence. Sow thinly in spring, harvest sparingly till plants are vigorous. Perennial, but protect in cold areas. Easier than chives to bring indoors for winter. Zone 4. ③ **A**=0.5g, 90¢ (~105 seeds), **B**=14g, $2.50, **C**=56g, $6.50, **D**=168g, $15.00 (210 seeds/g)

**4580HH Horehound** *Marrubium vulgare* Perennial forms a 2' bushy stand of grey-green wooly leaves, making a good border. Horehound candies were once common for soothing coughs and the tea makes a strong remedy for coughs and lung congestion. One of the bitter herbs of Passover. Transplant while seedlings are still small or direct seed into light dry sandy soil. Hardy to Zone 3. ② **A**=0.2g, 90¢ (~190 seeds), **B**=1g, $2.20, **C**=4g, $5.50, **D**=12g, $12.00 (950 seeds/g)

**4582HY Hyssop** *Hyssopus officinalis* A beautiful aromatic perennial border plant which produces spikes of indigo flowers, traditionally used in cough syrups. Can be planted with rosemary and lavender for a colorful and fragrant effect. Its aroma stimulates alertness and mental clarity. Was used as a strewing herb, thrown on floors to mask odors. Add slightly bitter leaves to salads, soups and stews, or use as an expectorant tea. *People with epilepsy and pregnant women avoid use.* Dry light or sandy soil. Normally hardy to Zone 3, but we had 75% loss in 2003-4. ② **A**=0.5g, 90¢ (~425 seeds), **B**=4g, $2.20, **C**=16g, $6.00, **D**=48g, $12.00 (850 seeds/g)



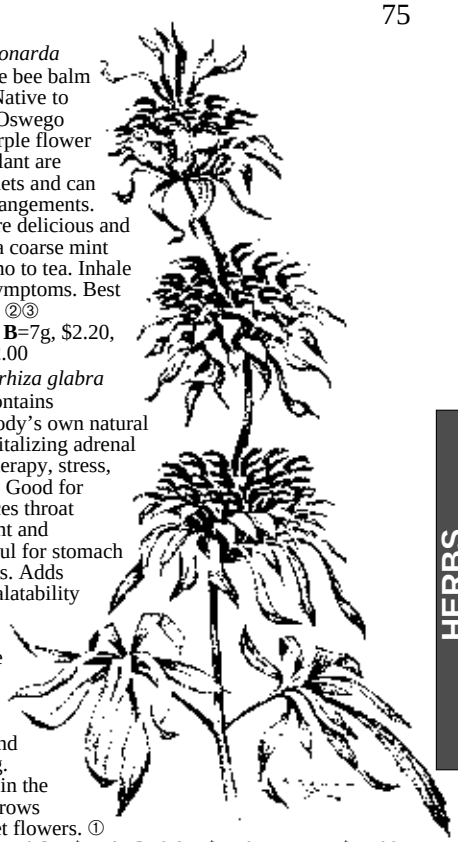
**4584LM Lady's Mantle** *Alchemilla mollis* I first saw this attractive plant in the lovely gardens at Avena Botanicals and admired its large sprays of greenish-yellow flowers. Softly hairy wavy-edged leaves unfold like fans in early spring. Leaves hold rain and dew, sparkling in the early morning light. The alchemists thought that the dew could turn metal into gold; thus its botanical name. Lady's Mantle was believed to restore beauty, and a leaf tucked under the pillow to guarantee sweet dreams. Traditional remedy for women makes a good border and ground cover in shady locations. Likes average well-drained soil and moisture; tolerates most conditions. 12-18" hardy perennial. Zone 3. ② **A**=0.05g, 90¢ (~130 seeds), **B**=0.2g, $2.20, **C**=1g, $6.00, **D**=4g, $13.00 (2,600 seeds/g)

**4586VO Lavender OG** *Lavandula angustifolia* Also known as English lavender. Famous for centuries for its sweet soothing lasting scent. Flowers used dried in sachets, wreaths and arrangements, and as a tea for headache or exhaustion. Hardy perennial reaching 3', woody shrublike plant with grey-green needle-like foliage and lavender flowers growing on long-stemmed spikes. Attracts small pollinating insects and syrphid flies. Likes well-drained alkaline sandy soil. Germinates in 21 days at 60-70˚. Texts claim hardy to Zone 5, but our patch in Zone 3 survived ten straight winters until coming a cropper during the nasty winter of 2003-4. CCOF-certified. ③ **A**=0.2g, $1.00 (~200 seeds), **B**=1g, $2.50, **C**=5g, $5.50, **D**=20g, $12.00 (1,000 seeds/g)

**4588LB Lemon Balm** *Melissa officinalis* Melissa is the Greek word for bee; the plant in flower attracts them. Perennial growing to 2'. Gather its yellow-green scalloped lemony leaves before flowering. Delicious in salads, as a tea, with fruit, or dried for sachets. Flowers are edible. Essential oil of lemon balm is highly effective against cold sores, but among the most expensive of all essential oils. Steep multiple batches of leaves in olive oil to make your own infused oil, one of the many ways to enjoy this relaxing calming comforting uplifting herb all winter. Likes very well-drained fertile soil; wet ground may winterkill it more than cold. However, years that kill the roots often have excellent self-sown seed germination. Zone 4. ② **A**=0.3g, 90¢ (~550 seeds), **B**=3g, $2.20, **C**=15g, $5.50, **D**=45g, $12.00 (1,830 seeds/g)

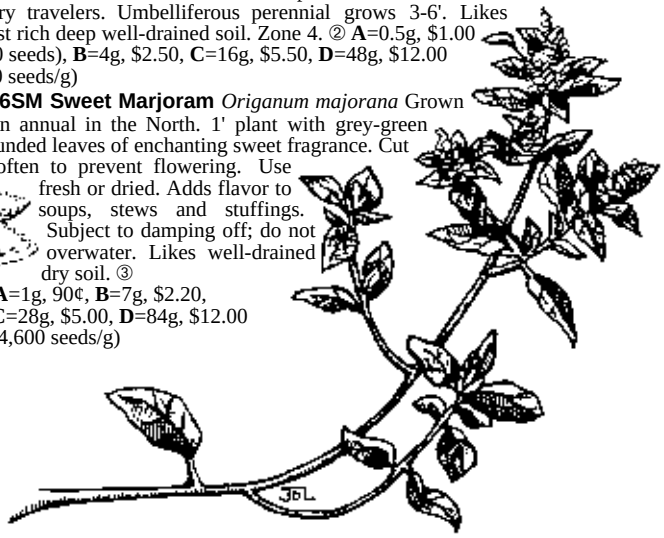
**4589LM Lemon Mint** *Monarda citriodora* A member of the bee balm genus in the mint family. Native to Appalachia and related to Oswego Tea. The tiered pinkish-purple flower spikes of this showy 2-3' plant are long-lasting in fresh bouquets and can be dried for everlasting arrangements. Its lemon-scented leaves are delicious and commonly used to impart a coarse mint flavor with a hint of oregano to tea. Inhale the steam to relieve cold symptoms. Best in light moist soil. Annual. ②③ **A**=1g, 90¢ (~1,850 seeds), **B**=7g, $2.20, **C**=28g, $5.50, **D**=84g, $12.00

**4590LR Licorice** *Glycyrrhiza glabra* Sweet and soothing root contains glycosides similar to the body's own natural steroids. Beneficial for revitalizing adrenal glands after steroid drug therapy, stress, overwork or excess coffee. Good for colds and bronchitis; reduces throat irritation, yet an expectorant and anti-spasmodic. Also helpful for stomach ulcers and intestinal spasms. Adds sweetness, harmony and palatability to nearly any herbal combination. Give it lots of room so it can create the roots and runners you want. Weak competitor against weeds. Prefers sandy well-drained loam and a mulch to prevent heaving. Harvest 3-4 year-old roots in the fall. Perennial to Zone 4, grows 1½-4', bears white to violet flowers. ① **A**=0.1g, $1.00 (~9 seeds), **B**=0.3g, $2.50, **C**=0.9g, $5.50, **D**=4.5g, $12.00 (90 seeds/g)



**4592LV Lovage** *Levisticum officinale* An underrated herb with many uses. Leaves have a strong celery taste, and can flavor soups, stews and casseroles. Seeds can be crushed and added to bread and pastries, stems and roots candied in sugar syrup. Said to restore the appetite and revive the love of life. For continuous young growth, keep the leaves clipped. Second-year plants are best for drying. Formerly used to mask the bitter herbs in medicinal concoctions. Leaves were sprinkled in shoes to revive weary travelers. Umbelliferous perennial grows 3-6'. Likes moist rich deep well-drained soil. Zone 4. ② **A**=0.5g, $1.00 (~70 seeds), **B**=4g, $2.50, **C**=16g, $5.50, **D**=48g, $12.00 (140 seeds/g)

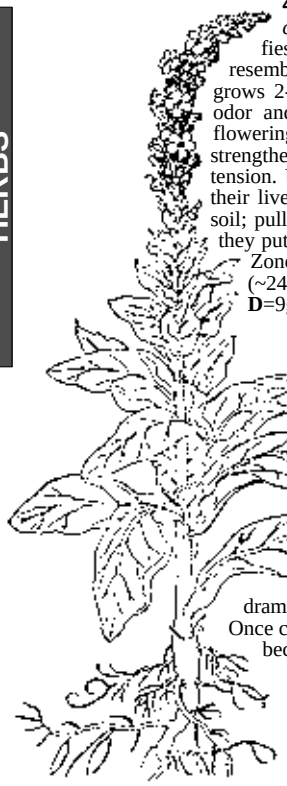
**4616SM Sweet Marjoram** *Origanum majorana* Grown as an annual in the North. 1' plant with grey-green rounded leaves of enchanting sweet fragrance. Cut often to prevent flowering. Use fresh or dried. Adds flavor to soups, stews and stuffings. Subject to damping off; do not overwater. Likes well-drained dry soil. ③ **A**=1g, 90¢, **B**=7g, $2.20, **C**=28g, $5.00, **D**=84g, $12.00 (4,600 seeds/g)




**4619MO Marshmallow OG** *Althaea officinalis* Cousin to the hollyhock, used to soothe and soften irritated skin and membranes and to relieve stuck hacking coughs. It also mildly stimulates white blood cell production and relieves urinary tract infections and prostate problems. Harvest root of this 4-6' ornamental plant in autumn of the third year. Meanwhile, enjoy the showiness of the flowers through the summer or eat the velvety leaves in salad. All mallows contain soothing mucilage in the root, and marshmallow has the most, so it makes a great home-garden substitute for slippery elm. For tea, steep roots in cold water for several hours rather than boiling. Plant in cool moist soil. Perennial to zone 4. MOFGA-certified. ① **A**=0.4g, $1.00 (~260 seeds), **B**=1.2g, $2.50, **C**=6g, $5.50, **D**=24g, $14.00 (650 seeds/g)

**4630TO Milk Thistle OG** *Silybum marianum* Named for the bold white splashes on its glossy leaves, said to be from Mary's milk. Fast-growing 3-5' annual with fiercely beautiful leaves, up to 8x24". Young leaves are edible—remove spines first! Flower stalk puts out large purple thistle flowers; said to be eaten like artichokes. Silymarin, found in the flowers and seeds, has been used to strengthen and regenerate liver tissue. Must use heavy gloves to harvest the seed from the seedheads. Will self-sow; keep those gloves handy to pull unwanted volunteers before they get big and prickly. Likes dry soil, very tolerant of drought. Agrior-certified. ③
**A**=1g, $1.00 (~40 seeds), **B**=4g, $2.50, **C**=28g, $6.00 (40 seeds/g)

**4632CM Common Mint** *Mentha spicata* Don't count on specific types of mint to come true from seed. This is the common tea mint. Can be grown directly in pots indoors in winter. Keep it in containers to check its invasive tendencies. Likes moist soil, full sun or partial shade. Perennial to Zone 4. ③
**A**=0.1g, 90¢ (~1,200 seeds), **B**=1g, $2.20, **C**=3g, $5.00, **D**=9g, $12.00 (12,000 seeds/g)

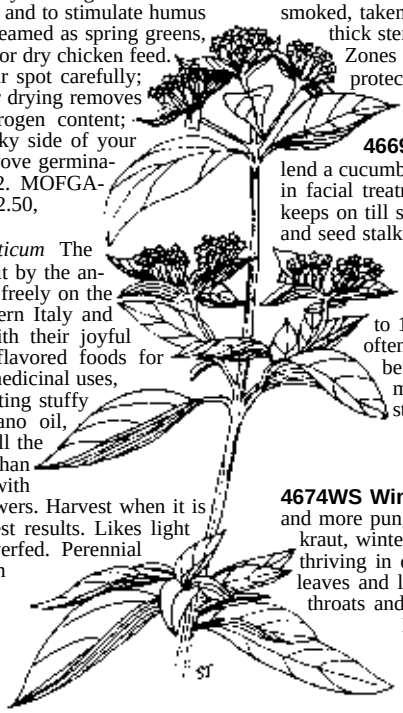


**4639MW Motherwort ECO** *Leonurus cardiaca* The genus Leonurus in Greek signifies lion's tail, to which the plant has a fanciful resemblance. Hardy perennial of the mint family grows 2-3' with dull green leaves having a pungent odor and rather bitter taste. Good bee plant. Pick flowering tops for tea or herbal tincture. Believed to strengthen the heart muscle and relieve nervous tension. Used by women during transitional times in their lives. Readily self-sows even in relatively poor soil; pull up unwanted first-year basal rosettes before they put out their spiky flower stalk the second year. Zone 3. Seed grown in Maine. ① **A**=0.2g, $1.00 (~240 seeds), **B**=1g, $2.50, **C**=3g, $5.50, **D**=9g, $13.00 (1,200 seeds/g)

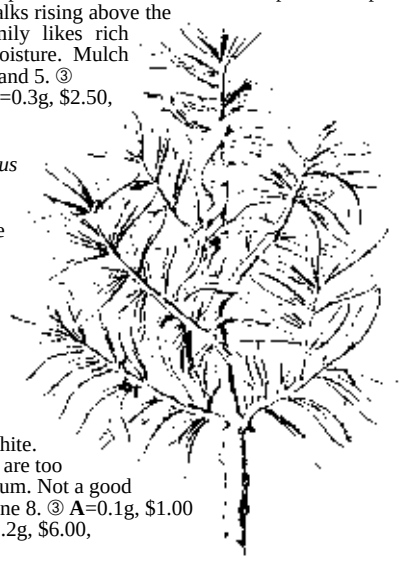
**4642MU Mullein ECO** *Verbascum thapsus* Soft and fuzzy grey-green Mullein leaves have mucilaginous properties that soothe and lubricate tissue, help relieve bronchitis and other respiratory ailments. Mullein flowers, infused in oil, are used externally for such ailments as earache, hemorrhoids and rheumatism. Its huge velvety leaves have even been used for toilet paper. A stately biennial, the leaves form a rosette the first year. Sends up a tall dramatic spike of small yellow flowers the second. Once common along Maine's roadsides, mullein has become noticeably less abundant. Gardeners can domesticate this striking ornamental. Favors well-drained slightly poor soil. Zone 3. Bio-dynamically grown but not Demeter-certified. ① **A**=0.1g, 90¢ (~700 seeds), **B**=0.4g, $2.20, **C**=4g, $5.50, **D**=12g, $15.00 (7,000 seeds/g)

**4644SO Stinging Nettle OG** *Urtica dioica* Biodynamic gardeners use nettles to increase the potency of neighboring herbs, and to stimulate humus formation. Young shoots and leaves are delicious steamed as spring greens, very high in minerals. Also makes a great hair rinse or dry chicken feed. Perennial may spread if not harvested. Choose your spot carefully; the roots as well as the leaves can sting. Cooking or drying removes the sting. Plant in damp rich soil with high nitrogen content; especially likes composted manure piles or the leaky side of your lushest compost bin. Pre-chilling the seed will improve germination, which takes 10-14 days. Grows 3-6'. Zone 2. MOFGA-certified. ① **A**=0.2g, $1.00 (~1240 seeds), **B**=0.6g, $2.50, **C**=2.4g, $5.50, **D**=7.2g, $12.00 (6,200 seeds/g)

**4648GR Greek Oregano** *Origanum heracleoticum* The name, meaning "joy of the mountains," was given it by the ancient Greeks. These fragrant flowering plants grow freely on the steep rocky alkaline hills of Greece, Sicily, Southern Italy and Israel, filling the Mediterranean mountainsides with their joyful cheer and intense scent. Not only has oregano flavored foods for thousands of years, but it also has had a variety of medicinal uses, from relieving rheumatism and asthma to decongesting stuffy head colds and even calming seasickness. Oregano oil, poked into the cavity with a wad of cotton, will dull the pain of toothache. Same genus as marjoram; more than 50 types of *origanum* exist. Low-growing plant with fragrant dull green and purple leaves and white flowers. Harvest when it is beginning to flower. Start indoors in spring for best results. Likes light well-drained soil. Will lose potency if soil is overfed. Perennial hardy to Zone 4. Survives some, but not all winters in Zone 3. ② **A**=0.2g, 90¢ (~1,800 seeds), **B**=1g, $2.20, **C**=5g, $5.00, **D**=20g, $12.00 (9,000 seeds/g)



**4651PR Pennyroyal** *Mentha pulegium* Hardy aromatic groundcover notorious for its insect-repellent properties. Can be used to ward off mosquitoes and to repel fleas from pets. Makes a potent tea. Pennyroyal's distilled oil can be toxic, but the tea rinse is safe for external use. *Caution: Pregnant women should not use.* Plant 6" apart to make a dense mat. The plants creep with only the lavender flower stalks rising above the ground. Perennial of mint family likes rich well-drained soil with good moisture. Mulch for winter protection in Zones 4 and 5. ③
**A**=0.1g, $1.00 (~1,200 seeds), **B**=0.3g, $2.50, **C**=0.9g, $6.00, **D**=2.7g, $15.00 (12,000 seeds/g)



**4657RM Rosemary** *Rosmarinus officinalis* From the Latin *ros marinus* meaning "sea dew," a reference to its native habitat, the Mediterranean coasts. Beloved tender perennial growing to 3-4'. Cannot withstand temperatures below 17˚, may be wintered over indoors if kept cool and moist. Try near a cool basement window and keep misted. Dark grey-green needle-like leaves conserve water. Blossoms range from deep blue to pale pink or white. Likes dry alkaline soil; peat pots are too acidic to be a good starting medium. Not a good germinator—30% is average. Zone 8. ③ **A**=0.1g, $1.00 (~82 seeds), **B**=0.3g, $2.20, **C**=1.2g, $6.00, **D**=4.8g, $18.00 (816 seeds/g)

**4659RU Rue** *Ruta graveolens* Graveolens means "strong smelling." Also known as Herb-of-Grace. Very attractive perennial shows blue-green foliage with delicate yellow flowers. Used as an insect and deer repellent. Its leaves, aromatic and bitter, contain iron and rutin for strengthening blood and vessels. Calms heart palpitations, nervous indigestion and colic. Used in eye-wash to soothe tired eyes and relieve headaches from eyestrain. *Rue should never be ingested by pregnant women.* Several herbalists warn that large doses can cause pain and vomiting; also contact dermatitis in sensitive individuals. Ancients rubbed their arms in olive oil before harvesting to prevent dermatitis. Likes poor soil and needs good drainage. 18-24" tall. Zone 3. ③
**A**=0.5g, $1.00 (~246 seeds), **B**=2g, $2.50, **C**=8g, $5.50, **D**=24g, $12.00 (492 seeds/g)

**4665SO Broadleaf Sage OG** *Salvia officinalis* Grows up to 3', with blue flowers. Used fresh or dried. Tasty in stuffing blends, with eggs, cheese, poultry, pork. Sage tea dries up mothers' milk and helps reduce hot flashes. CR and Eli use it to enhance black tea and coffee. Fuzzy grey oblong leaves on stems which grow woody with age; plants should be replaced every 3 years. Likes well-drained rich soil with good nitrogen content. Zone 4, but only one of our five plants survived the harsh winter of 2003-4. CCOF or QAI-certified. ②③ **A**=1g, $1.00 (~125 seeds), **B**=4g, $2.20, **C**=16g, $5.00, **D**=48g, $12.00 (125 seeds/g)

**4668WS White Sage** *S. apiana* An important ceremonial herb for Native Americans who use it for purification. Leaves used to make smudge sticks, smoked, taken as a tea, or in sweatlodges to cure colds. Bushy plants with thick stems and dusty grey-green foliage. A good bee plant. Perennial, Zones 6-9. Not nearly as hardy as common sage; needs heavy protection to winter over in our climate. **NEW!** ② **A**=0.05g, $1.20 (~35 seeds), **B**=0.2g, $3.00, **C**=1g, $12.00, **D**=5g, $50.00 (704 seeds/g)

**4669SB Salad Burnet** *Sanguisorba minor* Oval-toothed leaves lend a cucumber flavor to salads, soups, vinegars and cold drinks. Also used in facial treatments and to stop bleeding. Starts growing early spring and keeps on till snowfall, reaching 1'. Sow spring or autumn. Cut back flower and seed stalks to encourage leaf growth. Perennial, zones 4-8. Last offered by Fedco in 1996. **BACK!** ② **A**=1g, 90¢ (~175 seeds), **B**=7g, $2.20, **C**=28g, $5.00 (175 seeds/g)

**4672SS Summer Savory** *Satureja hortensis* Annual grows to 1½' with narrow dark-green leaves and lavender flowers. Cut often during growing season, before blossoms appear. Sow just before last frost in well-drained soil next to beans, their complement in the kitchen as well. Use with dry or green beans, rice, stuffings, or in onion soup. Left to bloom, it is beautiful in fall with dark purple foliage and lavender flowers. ③
**A**=1g, 90¢ (~1700 seeds), **B**=14g, $2.20, **C**=56g, $5.00, **D**=224g, $13.00 (1,700 seeds/g)

**4674WS Winter Savory** *S. montana* Leaves shinier and thicker, stronger and more pungent than summer savory. Used to flavor dry beans or sauerkraut, winter soups and stews. Hardy dwarf bush perennial grows 6-12", thriving in dry poor soil. Makes an attractive border with its tiny green leaves and light lilac flowers. Tea used medicinally as a gargle for sore throats and to calm indigestion. Zone 3. ② **A**=0.1g, 90¢ (~200 seeds), **B**=0.4g, $2.20, **C**=2.4g, $5.00, **D**=9.6g, $12.00 (2,000 seeds/g)

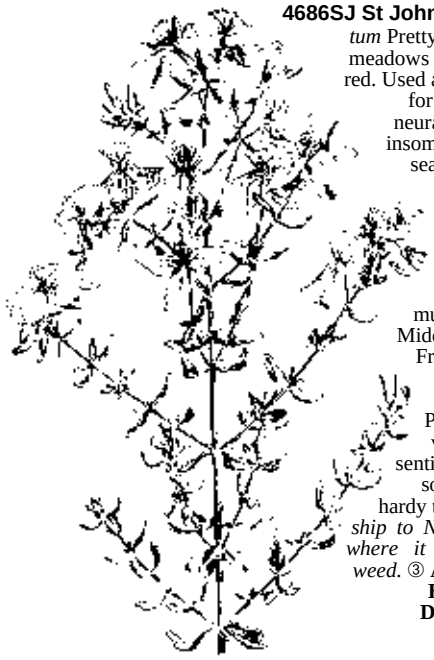
**4680RS Red Shiso** *Perilla frutescens* Annual also known as perilla. Introduced from Japan in the 1850s. Its extremely ornamental curly purplish-red cinnamon-scented leaves with a sharp interesting flavor are used in sushi, sweet and sour sauces, and stir-fries. Also used as a specific in Chinese medicine for seafood poisoning, *zi su*. According to Louise Weber of Greenwich, CT, makes a superb foil for dahlias in an arrangement. Grows up to 4'. To break dormancy, freeze and thaw the seed several times over a 21-45 day period. Soak seed several days or until they sprout. Move to indoor flats, then transplant into warm moist well-drained soil. Absolutely intolerant of frost. ② **A**=0.5g, $1.10 (~250 seeds), **B**=3g, $3.00, **C**=9g, $7.00, **D**=27g, $16.00 (500 seeds/g)

**4681BS Baikal Skullcap ECO** *Scuttelaria baicalensis* Beautiful little perennial with a myriad of small violet monkshood-shaped blooms on a 1-2' subshrub. Looks like a shiny rosemary with slender ovate leaves. A definite candidate for the rock garden, it tolerates drought and grows best in light well-drained soil. Important as the Chinese herb *huang qin*, 3-4 year roots are dried and used as a bitter sedative cooling herb that lowers fever, blood pressure and cholesterol levels while stimulating the liver; also used to stop bleeding. To encourage the roots' optimal medicinal powers, pinch buds and don't let flowers bloom. Zone 3. ② **A**=0.25g, $1.10 (~62 seeds), **B**=1g, $3.00, **C**=3g, $7.00, **D**=9g, $16.00 (250 seeds/g)

**4682MO Mad-dog Skullcap OG** *S. lateriflora* Often called Virginia Skullcap, native spreading perennial needs moist rich soil and likes partial shade. Herbalists claim it is an effective headache remedy, great for insomnia and both calms and strengthens the nervous system. Flowering tops of skullcap are used in daily teas as well as formulas for chronic conditions. Called Mad-dog because the tea was once used as a folk remedy for rabies. Enjoy its numerous small blue flowers from July through September or put the leaves in a pillow to induce restful sleep. 1-2' plant is hardy to Zone 4. OT-certified. ② **A**=0.05g, $1.20 (~29 seeds), **B**=0.2g, $3.00, **C**=0.8g, $7.00, **D**=2.4g, $16.00 (580 seeds/g)

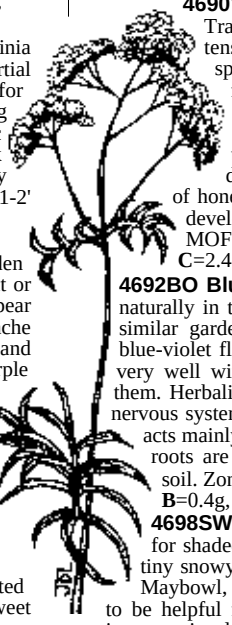
**4683SO Spilanthes OG** *Spilanthes oleracea* Give visitors to your garden a taste and watch for their reaction—probably either blissed contentment or horrified concern. Spilanthes' tingling and mouth-numbing properties appear rapidly and last a while. Commonly known as Salad Cress or Toothache Plant, it was introduced from Brazil to North America in the 1860s and listed as Para Cress in seed catalogs a century ago. Use its bronzy-purple leaves in salad or chew the leaves and flowers for temporary pain relief. Its immune-stimulating properties, similar to echinacea's, are giving this herb a wider audience. Highly frost-sensitive and must be started indoors in warmth and transplanted after all danger of frost. Adds unusual beauty with its low growth habit and rayless red flowers surrounded by yellow rings. Makes a colorful border planting in fertile moist soil as well as a good conversation piece and valuable herb. MOFGA-certified. ① **A**=0.02g, $1.10 (~60 seeds), **B**=0.08g, $2.80, **C**=0.32g, $7.50, **D**=0.96g, $19.00 (3,000 seeds/g)

**4684ST Stevia** *Stevia rebaudiana* No wonder this plant has created something of a buzz in recent years; we are a nation with a collective sweet tooth. Stevia is as sweet as it gets, several hundred times sweeter than sugar, but without the calories. Unsurprisingly, it is used fresh, dried, powdered or in a liquid as a sugar substitute. An erratic and finicky germinator, the seed needs light. It should not be transplanted outdoors until nights stay above 50˚. It will grow into a bushy 2' plant with serrated toothed leaves and white flowers in late summer. Perennial in Zone 9, so treat as an annual or bring indoors in a container. Leaves ready to harvest 100-120 days after planting. Interestingly, sweet as it is, it retards plaque and inhibits tooth decay. ② **A**=0.01g, $1.80, **B**=0.04g, $5.00, **C**=0.2g, $20.00



**4686SJ St Johnswort** *Hypericum perforatum* Pretty yellow flower of fields and meadows turns tinctures and oils deep red. Used as tea, tincture or infused oil for many nerve disorders, from neuralgia and sciatica to anxiety, insomnia, stress, mild depression, seasonal affective disorder and chronic exhaustion. Helpful during menstruation, postpartum and menopause. The oil is also cooling to sunburn and cuts, soothing to strained joints and muscles. Was even used in the Middle Ages for sword wounds! Frequent use can cause photosensitivity. Small seedlings are very slow growing. Prefers well-drained dry soil; very drought tolerant but essential oil content increases with some moisture. 1-2' perennial hardy to Zone 3. *Regret we cannot ship to North Dakota or California where it is considered a noxious weed.* ③ **A**=0.1g, $1.00 (~750 seeds), **B**=0.5g, $2.50, **C**=2g, $6.00, **D**=8g, $16.00 (7,500 seeds/g)

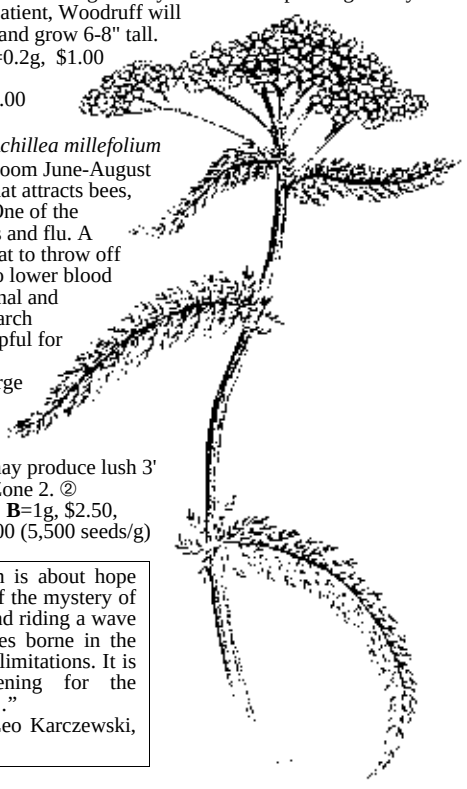
**4687GT German Thyme** *Thymus vulgaris* Creeping low-matted perennial to 12" brings depth of flavor to soups, gravies, casseroles. Bees love its short lavender flower spikes. Likes well-drained light dry alkaline soil. Its fine root system makes thyme difficult to move around the garden. Said to calm the nerves, soothe headaches. Hardy zones 4-9. ③ **A**=0.2g, 90¢ (~900 seeds), **B**=3g, $2.20, **C**=15g, $5.00, **D**=45g, $14.00 (4,500 seeds/g)



**4690VO Valerian OG** *Valeriana officinalis* Known as Nature's Tran-quilizer or Herbal Valium, valerian root is used to reduce tension and anxiety, alleviate insomnia, and relieve muscle spasms and uterine or bowel cramping. Harvest the roots in the fall of the second or later year. Early Greeks referred to valerian as *phu* (like our "phew"), because of the distinctive fetid musky smell of the roots. Widely used in Europe as a tranquilizer, both for adults and hyperactive kids. Avoid high doses for prolonged periods. Tall leafy 3-5' plant with clusters of honey-scented pale pink flowers. Remove flowers to hasten root development. Plant in moist soil about 1' apart. Hardy to Zone 3. MOFGA-certified. ③ **A**=0.2g, 90¢ (~160 seeds), **B**=0.6g, $2.20, **C**=2.4g, $5.50, **D**=7.2g, $12.00 (800 seeds/g)

**4692BO Blue Vervain OG** *Verbena hastata* This 5-6' perennial grows naturally in the moist soils of thickets and meadows and will do well in similar garden conditions, sending up many terminal spikes of bristly blue-violet flower clusters the entire season. Although scraggly, it blends very well with many kinds of flowers by stretching its spikes amongst them. Herbalist Gail Edwards finds it "a powerful spiritual presence" and nervous system tonic. Similar to *V. officinalis*, but more alterative, vervain acts mainly on the liver and lungs. Also used for menstrual disorders. Its roots are more active than its leaves. Likes light well-drained moist soil. Zone 3. WA-certified. ① **A**=0.1g, $1.00 (~250 seeds), **B**=0.4g, $2.50, **C**=4g, $5.50, **D**=12g, $12.00 (2,500 seeds/g)

**4698SW Sweet Woodruff** *Galium odoratum* A lovely ground cover for shaded areas, its whorls of pointed leaves covered with clusters of tiny snowy-white spring flowers. Vanilla-scented leaves are essential in Maybowl, a traditional German punch, and also used in potpourris. Said to be helpful for migraine, nervous conditions and stomach pain. Drying increases its clover fragrance. Sow outdoors in a woodland site or in a heavy layer of well-rotted leaf mulch. Can be very slow to germinate—up to 200 days—and then may not be visible right away because the plants grow by underground rhizomes. Be patient, Woodruff will appear the following spring and grow 6-8" tall. Perennial, Zones 5-9. ③ **A**=0.2g, $1.00 (~32 seeds), **B**=0.6g, $2.20, **C**=2.4g, $5.00, **D**=7.2g, $13.00 (160 seeds/g)



**4699WY White Yarrow** *Achillea millefolium* Flat-topped white flowers bloom June-August with an odd alluring scent that attracts bees, butterflies and beneficials. One of the most popular herbs for colds and flu. A hot cup of tea induces a sweat to throw off heat and toxins. Also used to lower blood pressure, and to stanch internal and external bleeding. New research indicates yarrow may be helpful for hay fever or other allergenic mucosal reactions. Avoid large doses during pregnancy. Perennial grows 1-2', spreads slowly, preferring lean soil. Rich garden soil may produce lush 3' plants which need staking. Zone 2. ② **A**=0.1g, $1.00 (~550 seeds), **B**=1g, $2.50, **C**=14g, $7.00, **D**=56g, $18.00 (5,500 seeds/g)

"Planning the garden is about hope and the celebration of the mystery of life. It is letting go and riding a wave of colour and textures borne in the imagination, beyond limitations. It is limbering up, listening for the change in the music…"

—Peg Hobbs & Leo Karczewski, Washington, ME

# ANNUAL FLOWERS

Seeds per packet for flowers are approximate. They are intended as guides, not guarantees, because we pack by weight, not by count.

Flowers are arranged here mostly by common name. **See chart on pp. 68-69 for cultural information and common uses. A botanical index appears on p. 98.**

What to plant next to what? A good old trick is to cut a flower and walk it around the garden, holding it close to other flowers to see which combinations are most compatible.

A market is growing for organically grown cutflowers. Currently 78% of the four billion cutflowers sold in the United States are imported each year, most from South America where huge amounts of pesticides are used.

Flowers have often been connected with certain sentiments. For your amusement, we've recreated the language of flowers according to the 1882 catalog of S.Y. Haynes Co. in Philadelphia.

## AGERATUM *A. houstonianum*

For undying affection. Its name means "not growing old" as the flowers retain color for a long time. Showy annual also known as Flossflower. Great for summer borders. Water in hot weather. Will not tolerate frost. Start indoors in an 80˚ spot 6-8 weeks before last frost, grow on at 60-65˚. Extreme temperatures inhibit flowering. Set 9-12" apart. Look good next to marigolds and salpiglossis. Cut for vase when flowers are first opening.

**5000BB Blue Blazer** F-1 hybrid. Puffy deep blue flowers on 8" plant. Very popular for borders and bedding. Starts blooming early, can withstand heat and continue into fall. ② **A**=0.05g, $2.00 (~300 seeds), **B**=0.2g, $6.00 (6,000 seeds/g)

**5001BO Bavaria OG** Gorgeous fluffy purple and white bicolor blossoms on 12" round compact plants. In 2005 bloomed July 7 from Apr. 9 start in Central Maine. Holds well. We loved them in the trial plot. *Offered on our website last year; this is its first time in the catalog.* **NEW! (almost)** MOFGA-certified. ① **A**=0.05g, $1.20, **B**=0.2g, $3.50

**5002DB Dondo Blue** A cutting ageratum with long stems to replace Blue Horizon. Blooms held nicely through a rainy summer, all the way from July 20 to our Oct. 5 killing frost. Took 40 days to flower from a June 10 transplanting. ② **A**=0.1g, $1.00 (~750 seeds), **B**=0.5g, $2.00, **C**=2g, $5.00 (7,500 seeds/g)

**5003WB White Bouquet** A white ageratum that doesn't get "dirty" after a few rains. Blooms lasted from July 1 to Oct. 2 in 2001, almost as long in 2002. In addition to steadfast color, White Bouquet boasts nice long stems, excellent for cutting. 24".③ **A**=0.01g, $2.00 (~65 seeds), **B**=0.05g, $6.00 (6,500 seeds/g)

## ALYSSUM *Lobularia maritima*

For worth beyond beauty. Free-flowering ground cover, blossoming from late spring well into fall. Has a fragrance like fresh-mown hay. Cascading habit makes alyssum excellent for windowboxes or terrace edges. Start seed in cool place 2 mos. before setting out. Needs light to germinate. Transplant seedlings 4-8" apart. Cool growing temperatures preserve color intensity. Easy to grow, likes sun, tolerates some shade. To extend their season, shear plants halfway back four weeks after bloom. Resistant to frost, will tolerate temperatures below 25˚. **3,200 seeds/g.**

**5004CS Carpet of Snow** Great-smelling dwarf white. 4". Formerly known as Little Gem, predates 1890. Widely recognized nectar source for beneficial insects. ② **A**=0.5g, 80¢ (~1,600 seeds), **B**=7g, $2.00, **C**=28g, $5.00, **D**=84g, $12.00 (3,200 seeds/g)

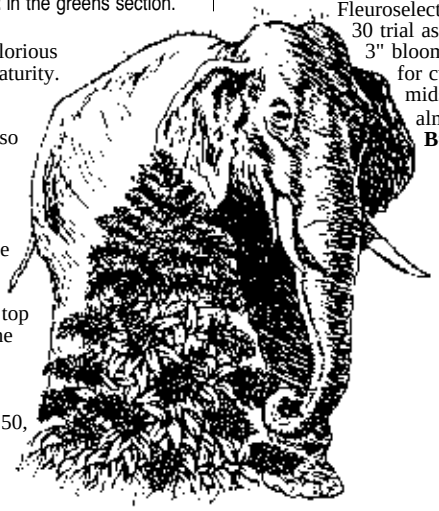
**5007PC Pastel Carpet** Pleasing shades of violet, rose, pink and white. 2½". ⑤ **A**=0.5g, $1.20 (~1,585 seeds), **B**=2g, $4.00, **C**=6g, $10.00, **D**=24g, $30.00 (3,175 seeds/g)

## AMARANTH *Amaranthus spp.*

A dual-purpose crop, both decorative and nutritious. Used now as an ornamental, especially in harvest arrangements, amaranth was an extremely important food of the Aztecs, one of their principal five crops. Amaranthus grain has between 16-18% protein. Also see # **5217** in this section and #**3008** and #**3012** in the greens section. **About 1,250 seeds/g.**

**5011CH Copperhead** (46 days) *A. cruentus* Flaunts glorious copper-colored seedheads atop its majestic 5' stalks at maturity. Wonderful decorative complement to the red amaranths, useful as a garden backdrop or in giving harvest arrangements a bright earthy color that speaks of fall. Also an underused food plant both for its seeds and its young leaves. ② **A**=0.2g, $1.00 (~240 seeds), **B**=0.6g, $2.00, **C**=1.8g, $5.00, **D**=9g, $18.00 (1,200 seeds/g)

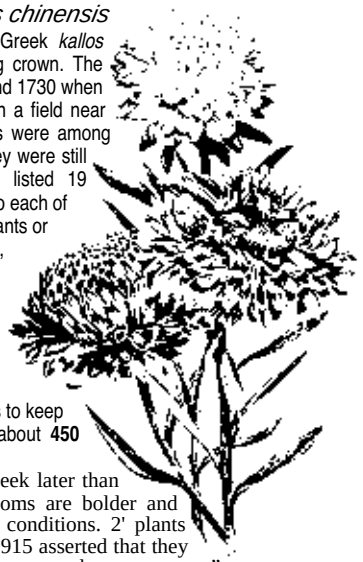
**5013EO Elephant Head OG** *A. gangeticus* This 110-year old heirloom has a flair for the dramatic. As one customer put it, "It is a vigorous grower, beautiful in the field and knocks 'em out at farmers markets!" The deep red, almost purple bloom develops a 6-12" "trunk" at its top during August. The plant grows to a height of 3-4' and the bloom is about 12-18" at the base. Seed from German immigrants saved by three generations of gardeners in Idaho, popularized by Seeds of Change. OT-certified. ① **A**=0.1g, $1.00 (~150 seeds), **B**=0.3g, $2.50, **C**=1.2g, $5.50, **D**=6g, $20.00 (1,500 seeds/g)



**5015AM Ammi Majus** *Ammi majus* Also known as White Dill, False Queen Anne's Lace and Bishop's Weed. Grows 3-4'. This popular florists' filler looks like an elegant cousin to Queen Anne's Lace. I was enchanted by its attractive green buds and intoxicated by its aroma. Flat white lacy flower heads 5-6" across lend an airiness to bouquets. Best cut when all the florets are nearly open but before they shed pollen, Ammi will last 5-7 days in the vase. Prechill seeds two weeks. Cover seed lightly. Need fluctuating temperatures, 80˚ days and 50˚ at night. Do not apply bottom heat. Germinates 7-14 days. Space 9-12" apart. *Caution: Contact with the sap in the presence of sunlight causes dermatitis in some people.* ③ **A**=0.5g, 80¢ (~950 seeds), **B**=2g, $2.00, **C**=20g, $5.00 (1,900 seeds/g)

**5018RS Rosea Angel's Breath** *Gypsophila elegans* Pretty shell-pink single flowers blossom all summer on slender stalks. Start in cool place indoors 2 months before setting outdoors or direct sow. Likes full sun and well-drained not overly fertile soil. 22". Good cutflowers. ② **A**=0.5g, 90¢ (~1,050 seeds), **B**=4g, $2.80, **C**=16g, $8.00, **D**=48g, $18.00 (2,100 seeds/g)

## CHINA ASTER *Callistephus chinensis*



For afterthought. Callistephus is from Greek *kallos* meaning beautiful and *stephos* meaning crown. The China Aster began its journey west around 1730 when a Jesuit missionary noticed it growing in a field near Beijing. By the late 1700s China Asters were among the most cultivated of all flowers and they were still wildly popular in 1883 when Burpee listed 19 different classes of them compared to two each of marigold and zinnia. Good as bedding plants or cutflowers. Range of color includes blues, purples, pinks and white. Sow indoors at 70-72˚ in late winter, transplant after danger of frost. Cut stems when 2-4 flowers have opened. Vase life is 5-7 days, longer if you use a floral preservative. Aster Yellows is a serious disease problem. Use floating row covers to keep out leafhoppers, the vector. All types about **450 seeds/g.**

**5028CR Crego Mix** Although a week later than Early Dawn, the ostrich feather blooms are bolder and seem to hold better in wet or cold conditions. 2' plants with 4" diameter flowers. Maule in 1915 asserted that they "surpass in size and beauty any other aster we have ever seen." "Pleasing, stately, handsome and vigorous," concluded H. W. Buckbee in 1927. ② **A**=0.5g, 80¢ (~225 seeds), **B**=4g, $2.00, **C**=16g, $5.00 (450 seeds/g)

**5030MM Matsumoto** A very classy cutflower which may be harvested by the individual stem or in its entirety. Flowers sport distinct yellow centers amidst a variety of shades (apricot, blue, pink, red, rose, salmon and white) about 100 days after sowing. 2" semi-double blooms are concentrated at the top of strong 2½' stems. ② **A**=0.2g, $1.80 (~90 seeds), **B**=3g, $7.00, **C**=9g, $18.00 (450 seeds/g)

**5032PR Princess Mix** 2-3" flowers on long wiry stems. The pompon blooms are richly colored with deeply crested centers. Elegant cutflowers which tend to be late bloomers. No other variety can match them in September. ② **A**=0.25g, 90¢ (~100 seeds), **B**=2g, $2.20, **C**=8g, $5.00 (400 seeds/g)

**5040SS Sea Star Mix** The most stunning aster Nikos has ever grown. 2' plant bears fancy "tiger paw" flowers 3½-4" across, with a curled whorl of needle-like petals in a choice mix of lavender, blue, pinks, violet and soft white. Very productive and uniform. Excellent in bouquets and striking in the garden. ② **A**=0.2g, $1.00 (~90 seeds), **B**=0.6g, $2.50, **C**=3g, $6.00 (450 seeds/g)

**5045TH Thunderball** Put some thunder back into your aster patch. Fleuroselect winner Thunderball stood out far above the rest of our 30 trial asters in midseason. Its bright deep red somewhat spiky 3" blooms attracted visitors to our flower beds and were great for cutting because of their long stems. The blooms started midseason and maintained peak quality for a long period, almost till frost. ② **A**=0.25g, 90¢ (~110 seeds), **B**=1g, $2.20, **C**=3g, $5.50 (440 seeds/g)

| Weight equivalents | |
|---|---|
| 1 gram = | .035 oz |
| 2 grams = | .070 oz |
| 3 grams = | .106 oz |
| 4 grams = | .141 oz |
| 7 grams = | .247 oz |
| 10 grams = | .355 oz |
| 14 grams = | .494 oz |
| 15 grams = | .528 oz |
| 20 grams = | .710 oz |
| 28 grams = | .987 oz |
| 100 grams = | 3.53 oz or .220 lb |
| 112 grams = | 3.95 oz or .247 lb |
| 225 grams = | 7.93 oz or .496 lb |
| 340 grams = | 11.99 oz or .750 lb |

## BACHELOR'S BUTTON
*Centaurea cyanus*

For single-blessedness. Named for the centaurs of Greek mythology. Easy to grow, great for cutflowers and beds. Common name may refer to the tight unopened buds' resemblance to buttons or to their popularity as boutonnieres. Also known as Cornflower and, formerly, Hurt-Sickle because its wiry stems dulled many a sickle during mowing time. Thomas Jefferson cultivated Bachelor's Button around 1786. Start indoors at 60-65˚ 2 months before setting out or direct seed in May in a sunny location. Make a succession planting in mid-late June if you desire late summer blooms. Will self-sow. Lasts longer than most flowers after frost. Gained top xeriscape rating from Garden Centers of Colorado, meaning the species is highly resistant to drought. Cut when flowers are just beginning to open—they'll open more in the vase and last 6-10 days. 3'. About **210 seeds/g.** *Cannot ship to Alaska.*

**5051BB Blue Boy** Showy blue. ② **A**=1g, 80¢ (~210 seeds), **B**=28g, $2.00, **C**=112g, $5.00, **D**=1lb, $12.00

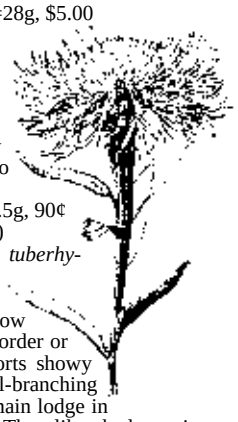
**5053FR Frosty Mix** Dark centers featuring maroons and purples fade into white outer petals, creating a frosted effect. Bloomed four weeks after a May 2 transplanting at Loon Song Farm. ② **A**=1g, 80¢ (~220 seeds), **B**=7g, $2.00, **C**=28g, $6.00, **D**=112g, $14.00

**5055BG Black Gem** *or* **Garnet** Ruffled dark maroon. Dates from Buist's 1942 catalog. Hard to find. ② **A**=0.25g, $1.00 (~55 seeds), **B**=1g, $2.00, **C**=4g, $5.00, **D**=12g, $10.00 (220 seeds/g)

**5056RB Red Boy** Deep red. Dates from 1942. ② **A**=1g, 80¢ (~210 seeds), **B**=7g, $2.00, **C**=28g, $5.00, **D**=1lb, $36.00

**5060BM Mix** Blend of blue, pink, red, white flowers with blue predominating. Very showy. ② **A**=1g, 80¢ (~210 seeds), **B**=28g, $2.00, **C**=112g, $5.00, **D**=1lb, $14.00

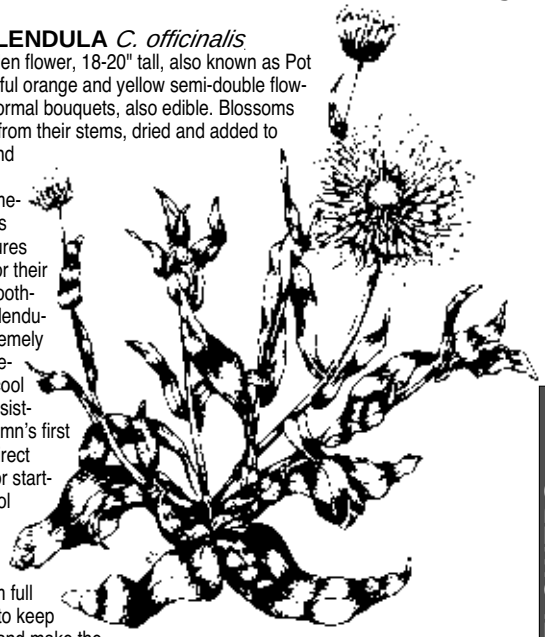
**5066CB Double Camellia Mix Balsam** *Impatiens balsamina* For impatience. Balsam reigned supreme during the Victorian era when it was called Lady Slippers but has been neglected for almost a century. Vick's in 1895 averred "no plant will give more in return for the care bestowed upon it and none is more frequently neglected," recommending spacing at least 1' apart, aiming for a wide diameter at the base and a pyramid shape covered with flowers. A different school of thought suggests pinching off the side branches and the first flowers to encourage a profusion of blooms near the top of the plant and give the effect of a ready-made bouquet. Both agree that wide spacing is important to make the most of Balsam's novel show of abundant pink, rose and white rosettes along the axils up its stems**.** Direct seed after danger of frost. Don't cover the seed. 2'. ② **A**=1g, 80¢ (~120 seeds), **B**=7g, $2.00, **C**=28g, $5.00



**5068BK Basketflower** *Centaurea americana* Outstanding fluffy pinkish lavender "ostrich plume" flowers bloom all summer, attracting butterflies. Sometimes called "thornless thistle," these 4-5" blossoms open in the morning and close at midday to a woven basket form. As a cutflower they have a 3-day vase life, providing special interest as they continue to open and close. Soak seeds overnight and start two months before setting out or direct seed. 3-4'. ③ **A**=0.5g, 90¢ (~35 seeds), **B**=1.5g, $2.20, **C**=6g, $5.00 (70 seeds/g)

**5070NB Nonstop Tuberous Begonia** *Begonia tuberhybrida* F-1 hybrid. A boisterous mix of flamboyant color to awaken your garden! Nine shades, from pink to fiery red, apricot to golden orange, plus yellow and white, create a riot of color in a shady garden border or in hanging pots. Europe's #1 windowbox plant sports showy 3½-4½" fully double blooms on vigorous basal-branching stems. Thuja Gardens' lovely display outside their main lodge in Northeast Harbor, ME, inspired us to list begonias. They like shade, moisture, very rich soil, will tolerate a bit of sun. Start indoors, set out after all danger of frost. Needs 75° to germinate; takes 2-3 weeks. Blooms 140 days after sowing. Pelleted seed. Packed by seed count, not weight. ③ **A**=10 seeds, $1.80, **B**=50 seeds, $6.00

## CALENDULA *C. officinalis*



Old kitchen garden flower, 18-20" tall, also known as Pot Marigold. Beautiful orange and yellow semi-double flowers, good for informal bouquets, also edible. Blossoms can be snipped from their stems, dried and added to soups, salads and stews. They are also used in homeopathic remedies and herbal tinctures and ointments for their antiseptic and soothing qualities. Calendulas have an extremely long blooming period, thriving in cool weather and persisting through autumn's first frosts. Can be direct seeded in May or started indoors in cool place for early blooms. Readily self-sows. Don't crowd, give them full sun. Deadhead to keep blooms coming and make the patch more attractive or try succession plantings.

**5079FO Flashback OG** A mix of apricot and peachy doubled petals, all with red backing to create a distinctive contrast. Colors fade to bicolor yellows or yellow-peach, adding interest as the plants mature. In 2004, a few blooms still looked good on Oct. 20 after withstanding many frosts. OT-certified. ① **A**=1g, $1.30, **B**=4g, $3.00, **C**=12g, $7.00, **D**=48g, $18.00

**5080KM Kablouna Mix** Distinct refined form with a neat crested center not showing the eye. One of the most neglected and loveliest of the calendulas. "Kablouna," our seed room goddess who looks after the good fortune of seed packers, was named for this cultivar. ② **A**=1g, 90¢ (~140 seeds), **B**=4g, $2.20, **C**=12g, $5.00, **D**=1oz, $8.00

**5083LB Lemon Beauty** Our first all-yellow Calendula. A classic double with lovely soft petals. Bloomed Aug. 1 from a June 13 sowing. One year it was still blooming at Loon Song Farm on Oct. 19. ② **A**=1g, 80¢ (~150 seeds), **B**=3g, $2.00, **C**=9g, $5.00, **D**=1oz, $12.00

**5085PB Pacific Beauty Mix** The classic lovely yellow and orange mix. Herbalists highly regard its healing gifts. ② **A**=2g, $1.00 (~300 seeds), **B**=14g, $3.00, **C**=56g, $8.00, **D**=1lb, $32.00 (150 seeds/g)

**5086RH Red Heart** Maroon-red centers and petal backs give the vibrant orange petals a heartwarming red glow. Filled with petals and very decorative. ② **A**=1g, 90¢ (~150 seeds), **B**=4g, $2.20, **C**=12g, $5.00, **D**=48g, $12.00

**5087RO Resina OG** The best calendula for making tinctures and oils and the one Deb Soule grows at Avena Botanicals. Our grower reports that its medium-sized single blooms with small eye are extremely resinous. The resins impart a pleasant odor. Blossoms are primarily bright yellow with yellow centers. A few will be orange with light orange centers. We are working to get more of these orange ones into the strain. Plants grow knee-high. Cheery flowers, good medicine. Blooms in 70 days. Stellar NOP-certified. ① **A**=1g, $1.00 (~55 seeds), **B**=4g, $2.50, **C**=16g, $5.50, **D**=64g, $18.00 (55 seeds/g)

**5088LO Solar Flashback Mix OG** Here's the latest hot release from Frank Morton's amazing calendula program. Although still a work in progress, it is already too good to pass up. One third will feature yellow petals with bright red backs, a truly arresting color combination. Another third will show blond faces with red backs, while the final third involves permutations between the two types resulting in yellow/pink/maroon shades with bright red backs. Morton is selecting for the stunning yellow/red combination which we will carry when it is stabilized. **NEW!** OT-certified. ① **A**=1g, $1.30, **B**=4g, $3.00, **C**=12g, $7.00, **D**=48g, $18.00

**5089ZO Zeolights OG** Pinky-maroon backing shows through the yellow petals to lend a pink tinge to the familiar calendula-yellow. Dark centers accentuate the color contrast. Another Frank Morton original. OT-certified. ① **A**=1g, $1.10 (~150 seeds), **B**=4g, $2.50, **C**=12g, $7.00, **D**=1oz, $12.00

**5092CS Calliopsis Mix** *Coreopsis tinctoria* For vanity. Low-maintenance rugged flower brings a splash of fall color into your garden. Petals brushed in yellow, mahogany and red surround mahogany centers. Large cosmos-like flowers atop 2½' erect stems flourish in full sun and make excellent cuts. Good for less cultivated areas such as open spaces, roadsides and borders because it competes well with grasses and reseeds easily. Tolerant to drought. ② **A**=0.3g, 90¢ (~650 seeds), **B**=0.9g, $2.20, **C**=4.5g, $5.00 (2,200 seeds/g)

**5094CC Canary Creeper** *Tropaeolum peregrinum* A climbing relative of the nasturtium. Profuse vines can climb 8', providing golden-yellow flowers late in the season. Grows in shade but prefers full sun. ③ **A**=1g, $1.00 (~15 seeds), **B**=7g, $3.00, **C**=28g, $9.00, **D**=112g, $30.00

**5097FM Tall Candytuft Mix** *Iberis umbellata* Here's the antidote to monotonous candytuft, a mixture of vibrant colors from pink to dark purple with a few whites included for contrast. Nikos and Donna think this mix outshines the Pinnacle which it replaced. Grows 18-24". Direct seed in late spring. Excellent for borders and cutflowers. ③ **A**=0.5g, 80¢ (~210 seeds), **B**=5g, $2.00, **C**=25g, $5.00 (420 seeds/g)

**5105CE Kiwi Blue Cerinthe** *C. major* var. *purpurescens* Little-known vigorous bushy annual 12-30" really comes into focus when the cooler nights of late summer and early fall accentuate its colors. Coin-shaped grey-green foliage covers the sprawling stems. Profuse blue shrimp-like bracts bear terminal purple flowers that look like comfrey blossoms. Tolerates heat, but likes cool weather and will withstand light fall frosts, looking best when others are fading. Would be good in a massed border. Thanks to Hillary Nelson in New Hampshire who offered Cerinthe in her seed exchange and piqued my curiosity with her vivid description. Direct seed or start indoors 6-8 weeks before setting out after danger of frost is past. Quick emerging and rugged. ② **A**=0.6g, $1.50 (~9 seeds), **B**=2.4g, $5.00, **C**=7.2g, $12.00 (15 seeds/g)

## CHINESE FORGET-ME-NOT *Cynoglossom amabile*

Also known as Hound's Tongue. Dainty star-shaped flowers bloom throughout the summer. Very floriferous with three blooms per cluster and a half dozen clusters per plant. Start indoors six weeks before the last frost or direct seed outdoors in spring. Germinates in 5-10 days at 65-70˚. Space plants 9" apart. Prefer full sun.

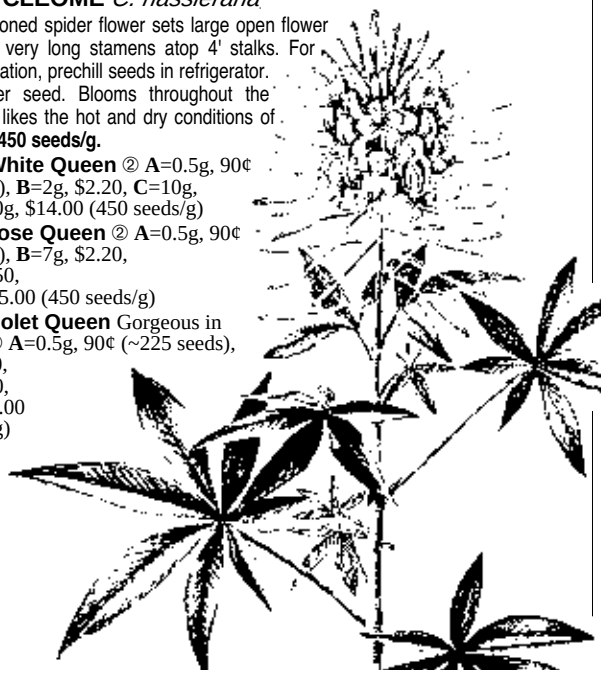
**5110CY Firmament** No other flower can match the brightness of these tiny 5-petaled azure blue blossoms. For comparable color and texture grow with Blue Cloud larkspur. Try alongside Calendula or Godetia for color contrast. 16-18". ② **A**=1g, 80¢ (~185 seeds), **B**=7g, $2.00, **C**=28g, $5.00

**5111MP Mystic Pink** Very similar to the Mystery Rose we formerly sold. Attractive sprays of soft pink flowers appear about 70 days after transplanting. Excellent for cutting. Firm erect bushy plants 18-24". ② **A**=0.2g, $1.00 (~45 seeds), **B**=0.8g, $2.20, **C**=3.2g, $5.50 (225 seeds/g)

**5121CL Clarkia Mix** *C. unguiculata* Also known as Rocky Mountain Garland or Satin Flower. A native of the American west where it was observed during the Lewis & Clark expedition and given its name. A standout in our flower beds, always one of the first to bloom, often lasting a long time, especially in cool summers like 2004. Bears double flowers of pink, red and white along 2' erect stems. Closely related to Godetia, but much less likely to lodge. Makes a wonderful border. Can be direct seeded, but we recommend starting indoors and transplanting after danger of frost for earlier and more enduring blooms. Won't flower when night temperatures drop below 50˚. Clarkia doesn't like heat so keep it mulched and moist during high summer. Harvest for cuts with 3-6 flowers opened. Lasts 5-10 days in the vase. ② **A**=1g, 80¢ (~3500 seeds), **B**=7g, $2.00, **C**=28g, $5.00

## CLEOME *C. hasslerana*

The old-fashioned spider flower sets large open flower clusters with very long stamens atop 4' stalks. For better germination, prechill seeds in refrigerator. Do not cover seed. Blooms throughout the summer and likes the hot and dry conditions of midsummer. **450 seeds/g.**



**5123WQ White Queen** ② **A**=0.5g, 90¢ (~225 seeds), **B**=2g, $2.20, **C**=10g, $5.50, **D**=50g, $14.00 (450 seeds/g)

**5126RQ Rose Queen** ② **A**=0.5g, 90¢ (~225 seeds), **B**=7g, $2.20, **C**=28g, $5.50, **D**=112g, $15.00 (450 seeds/g)

**5129VQ Violet Queen** Gorgeous in August. ②③ **A**=0.5g, 90¢ (~225 seeds), **B**=2g, $2.20, **C**=8g, $5.50, **D**=32g, $12.00 (450 seeds/g)

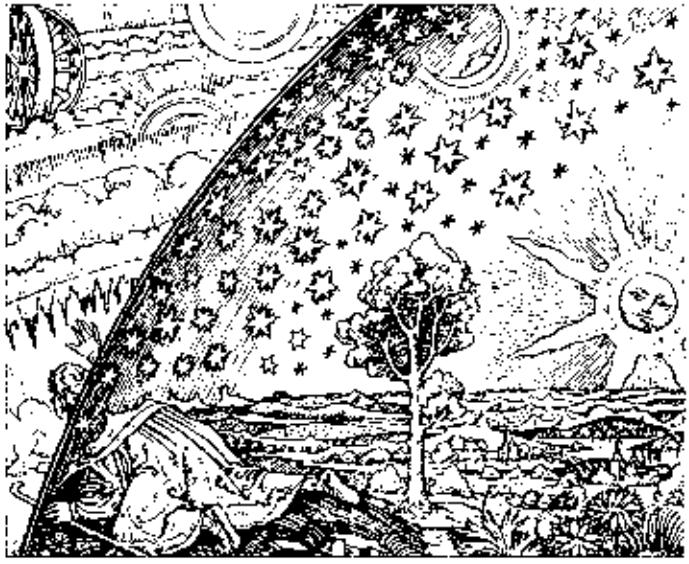
**5131WI Wizard Coleus** *Solenostemon scutellarioides* formerly *Coleus blumei* Even muggles will appreciate the magic of this wizard, resplendent in a kaleidoscope of colors: rose and ivory edged in green, deep velvet burgundy centered with flame, bronzed pink, scarlet…12 in all. The colors are strongest in deep shade, lighter in part-shade. Germinate at 65˚. Do not cover. Takes 12 days. Do not overwater; subject to damping off. Easy to grow and maintain. Just pinch off any late-season flower stalks. Great in window boxes, planters and interior landscapes, grows 10-12". ⑤ **A**=0.02g, $2.00 (~70 seeds), **B**=0.1g, $6.00 (3,500 seeds/g)

**Coneflower** See Echinacea, #**4774-4777**, Rudbeckia #**5357-5360,** and Prairie Coneflower **#6055.**

## COSMOS *spp.*

Sun-loving, free-flowering all summer, can serve as an accent, screen or cutflowers. Colorful daisy-style flowers bloom amidst lacy cut foliage. Attracts a broad range of beneficial insects. For best results, thin its fast-growing large plants. Deadhead for persistent blooms. Harvest cutflowers when petals on first flower are just opening. Don't wait too long! Old blooms don't last. Vase life is 4-6 days. Light aids germination. May be started indoors at 70-75˚ (grow on at 60-65˚) or direct seeded after last frost. Space 9-12". Tolerant of drought. **140 seeds/g** except where noted.

**5134BL Bright Lights Mix** *C. sulphureus* Originally from Mexico. A bright mixture of yellow and gold shades reaching 3'. Not frost hardy. Makes a striking contrast with #**2186** Bull's Blood Beet. ② **A**=1g, 80¢ (~140 seeds), **B**=7g, $2.00, **C**=28g, $5.00, **D**=112g, $10.00



**5136PI Picotee** *C. bipinnatus* A unique bicolor cosmos for the aficionado. Flowers vary in hue from white to pink to rose, with each serrated petal edged in contrasting magenta. Bright golden centers. Plants grow 4' climaxed by blooms 2½-3" across. A nice addition to your cosmos bouquet. ② **A**=0.5g, 90¢ (~75 seeds), **B**=3g, $2.00, **C**=15g, $5.00, **D**=1oz, $9.00 (150 seeds/g)

**5139SS Sea Shells** *C. b.* If each petal on an Early Sensation were to curl into a tube, they'd have the striking delicate look of a Sea Shells. 3' plants come in the usual mix of pink, magenta and white shades, each with a yellow button eye. A lovely cosmos. ② **A**=0.5g, 90¢ (~95 seeds), **B**=3g, $2.20, **C**=12g, $5.00, **D**=1oz, $8.00 (190 seeds/g)

**Sensation** *C. b.* So named because its early maturity created a sensation when it first came out in 1930. Won AAS 6 years later. Largest flowered cosmos variety needs little tending. Will flower 10 weeks after direct seeding and withstand the first mild frosts of fall. 4-5'. Our 2nd most popular flower.

**5140SP Sensation Purity** White blooms are sparse in the mix. Purity is for those who want white cosmos. **NEW!** ② **A**=0.5g, $1.00, **B**=3g, $2.80, **C**=15g, $8.00, **D**=120g, $50.00

**5141SM Sensation Mix** Pinks, roses, purples and occasional whites. ③ ②③ **A**=1.4g, 80¢ (~195 seeds), **B**=14g, $2.20, **C**=56g, $6.00, **D**=1lb, $22.00 (139 seeds/g)

**5142FI Figaro Dahlia** *D.* x *hybrida* Named for Swedish botanist Andreas Dahl. Early and compact, with a wide range of flower forms, including single, semi-double and double blooms. Colors include red, rose, mauve, violet, orange, salmon, yellow and white. Transplant after frost. 10". ⑤ **A**=0.4g, $2.00 (~50 seeds), **B**=2g, $6.00 (125 seeds/g)

## DIANTHUS *spp.*

For perseverance. The name Dianthus comes from the Greek meaning "divine flowers." Some are commonly known as Pinks, not for their color, but for their serrated petal tips which look like they've been pinked. See also perennials #**6196** Maiden Pink and #**6306** Sweet William.

**5143CH Chianti** *D. chinensis* As a bold chianti is to a spicy tomato sauce, so is this Chianti to your cottage garden beds. Though lacking in bouquet, it would make an elegant addition to any dinner table bouquet with its striking burgundy color edged with white lace ruffles. An eye-catcher in our trials with its sharp color contrast and double form. 12". ② **A**=0.4g, 90¢ (~200 seeds), **B**=2g, $2.20, **C**=6g, $5.00 (500 seeds/g)

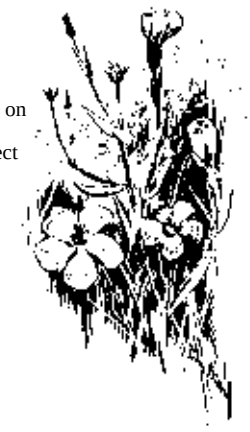
**5145RL Rainbow Loveliness Mix** *D.* x *hybrida* As Stéphane Mallarmé put it, "Without charm there can be no fine literature, as there can be no perfect flower without fragrance." Rainbow Loveliness has the fragrance—glorious, heavenly, sinfully delicious, intoxicating—and the good looks. The lilac white, which we grew, sports deeply fringed white blooms with hints of pink at the tip and a greenish center eye, creating a wispy feathery effect. The mix also includes strains of carmine, pink and bicolors. Blooms late July from early June transplanting. 14". ② **A**=0.02g, $2.00 (~24 seeds), **B**=0.1g, $6.00 (1,215 seeds/g)

**5146RG Reisen Giant Superb Mix** *D. caryophyllus* Reisen provides a scentsational steppingstone in my pursuit of the kind of exquisitely scented flowers that one reads about in old horticultural lore. The 20" plants produce fully double fringed carnations in an array of colors (red, violet, rose, white and bicolor) with corresponding differences in fragrance. The perfumed clove scent of the red is the most tantalizing. ② **A**=0.2g, 90¢ (~100 seeds), **B**=1g, $2.00, **C**=3g, $5.00 (500 seeds/g)

**Dwarf Fragrance Mix Carnation** *D. car.* Dropped for slow sales. *Not available this year.*

**5148DI Lacy Blue Didiscus** *Trachymene coerulea* Also known as Blue Lace Flower, introduced from Australia in 1828. Looks like a light blue version of Queen Anne's Lace. Airy flower heads on 2' stems floating like a blue mist above attractive finely-cut foliage are excellent for cutting. Start indoors or direct seed after danger of frost. Transplant 8" apart. Likes full sun. ② **A**=0.25g, 90¢ (~90 seeds), **B**=1g, $2.20, **C**=3g, $5.00, **D**=15g, $12.00 (360 seeds/g)

**5149KJ Kilimanjaro Euphorbia** *Euphorbia marginata* Also known as Snow-on-the-Mountain. If global warming continues, we'll have to give this a new name. Get ready for a euphorbic color sensation when you interplant these with bright flowers such as Chinese Forget-Me-Not or Venidium. A foliage plant grown for its ovoid green leaves which quickly become outlined in striking white. Well adapted to poor or average soils; grew about 2' in my dry raised beds but capable of reaching a foot taller. Long-lasting in a vase where it provides valuable filler with good color base. Will self-sow; we enjoyed a lovely specimen which volunteered next to our broccoli. Start indoors at 60-68˚, grow on at 60˚. Can be an erratic germinator, taking 10-14 days, sometimes much longer. Transplant out after danger of frost. *Caution: The milky sap may cause itching or rash for sensitive individuals. Do not rub your eyes after handling Euphorbia.* ③ **A**=0.3g, $1.00 (~15 seeds), **B**=0.9g, $2.50, **C**=4.5g, $7.00, **D**=45g, $50.00 (50 seeds/g)



**5150SF Scarlet Flax** *Linum grandiflorum* 'Rubrum' Five-petalled blooms up to 1½" across on bushy 1' plants. Bright red flowers with a silky sheen. For best effect grow a generous mass. Direct seed as soon as ground can be worked. Do not transplant. ③ **A**=1g, 80¢ (~300 seeds), **B**=7g, $2.00, **C**=28g, $5.00

"I wish you could keep politics out of your catalog. Not everyone who gardens is a tree hugger."
—Pat Overmeyer, Bloomfield, NY

## FLOWERING CABBAGE & KALE *Brassica oleracea*

Sometimes used for garnishes or in salad mixes. Well adapted to our climate, they are at their best when most flowers have given in to fall frosts. **350 seeds/g**.

**5156FC Flowering Cabbage Mix** Good ornamental for our climate. The colors—green outer leaves and pink, white or purple centers—deepen at the onset of chilly autumnal nights. Start indoors 5-7 weeks before setting out in midsummer for fall maturity. While weather is still hot, sidedress with manure so that the plants will make rapid growth before nights begin cooling. As autumn approaches, withhold nitrogen to speed coloring. 10". ② **A**=0.25g, 90¢ (~80 seeds), **B**=1g, $2.20, **C**=4g, $5.00 (320 seeds/g)

**5157CQ Coral Queen** F-1 hybrid. Large luxuriant flowering kales with deeply notched feathered leaves start coloring purple as soon as the nights cool in August. Leaf tips are green with a lavender background and bright purple veins. Large purple centers are supported by thick sturdy stems of moderate height. 8-12" high, 12-14" wide given adequate spacing. ⑤ **A**=0.1g, $1.00 (~36 seeds), **B**=0.3g, $2.50, **C**=0.9g, $6.00 (360 seeds/g)

**5158RC Red Chidori** F-1 hybrid. Flowering kale is called *Ha-Botan* in Japan, meaning "leafy peony." The Japanese are world leaders in hybridizing these ornamentals and, in Red Chidori, they have brought their work to its ultimate expression. Chidori had the brightest purple outer leaves and the sharpest red centers of any we tried. These colors reach their zenith shortly after frost when other garden hues are fading. Red Chidori leaves have finely ruffled edges which further accent their beauty. Allow enough space to grow 8-12" high and 12-14" across. ⑤ **A**=0.2g, $2.00 (~70 seeds), **B**=1g, $6.00 (350 seeds/g)

**5160KA Osaka Mix** F-1 hybrid. A mix of red, pink and white compact kales with wavy-edged leaves, providing color contrasts for accent or pattern plantings. 6-12" high, heads about 1' across. ⑤ **A**=0.5g, $1.00 (~250 seeds), **B**=2g, $2.50 (500 seeds/g), *not available in size C.*

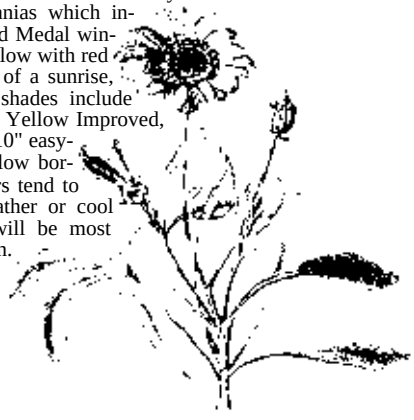
**Red Peacock** No crop, *not available in 2007.*

**5163VP Victoria Pigeon** F-1 hybrid. Compact leaf-type cabbage ideal for pot production is at its best in late October when not many other things look good in our gardens. 8-12" high and 12-14" wide. Uniform solid rosettes with slightly waved variegated leaves, green with white veins near the fringes, becoming white with green edges toward the center and culminating in a mauve-pink center. Develop best color with frost. These dwarfs make fine ornamentals or chef's garnishes and have a long vase life. ⑤ **A**=0.1g, $1.00 (~36 seeds), **B**=0.3g, $2.50, **C**=0.9g, $6.00 (360 seeds/g)

**5164FC Tall Mix Four O'Clock** *Mirabilis jalapa* Also known as Marvel of Peru. For timidity, although the plant is anything but. Breck's in 1885 called it "a very desirable plant where there is plenty of room," and suggests each specimen should stand singly 3' apart. The fragrant trumpet-shaped flowers open in late afternoon, reaching peak glowing loveliness at dusk. The 2-3' plants make good background or annual hedge. Start indoors, transplant out when warm weather has settled in. Likes full sun. Will self-sow in warmer areas. Drought-tolerant. ② **A**=3g, 80¢ (~50 seeds), **B**=9g, $2.00, **C**=27g, $5.00, **D**=135g, $12.00 (17 seeds/g)

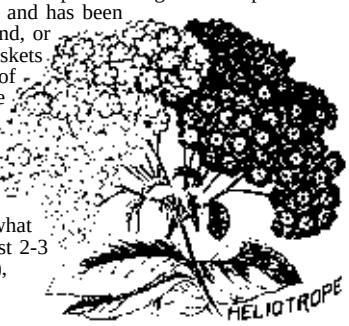
**5165SG Sundance Bicolor Gaillardia** *Gaillardia pulchella* These striking bicolor red and yellow blooms bring mahogany magic to your flower beds. The 12-15" plants spread a luxurious 16" and are covered with generous globe-shaped flowers. Sunloving plant has broad adaptation, very tolerant of heat and drought. Spread habit is ideal for hanging baskets and containers. Awarded both a Fleuroselect Gold Medal and an AAS citation. Sow indoors in spring and transplant out at 15" spacing. For perennial Gaillardia see #**6128** and **6130**. ② **A**=0.25g, $1.00 (~150 seeds), **B**=1g, $2.50, **C**=4g, $5.50 (600 seeds/g)

**5167DY Daybreak Mix Gazania** *G. rigens* Named for Theodore of Gaza, a medieval translator of botanical works. A very early mix of brilliant Gazanias which includes two Fleuroselect Gold Medal winners, Red Stripe, a bright yellow with red stripes that gives the effect of a sunrise, and Bright Orange. Other shades include Garden Sun, Bronze, Bright Yellow Improved, pink and white. Compact 8-10" easy-to-grow plants excellent as low border. Bright daisy-like flowers tend to close in shade, cloudy weather or cool temperatures so gazanias will be most pleasing planted in full sun. Do not overwater. ⑤ **A**=0.05g, $1.80 (~12 seeds), **B**=0.25g, $6.00 (240 seeds/g)



**5171GD Dwarf Double Azalea Mix Godetia** *Clarkia amoena* Also known as Farewell to Spring. Frilly delicate double and semi-double blooms on 16" stems in pastel shades of pink, red, rose and lilac stand out in bouquets. Direct seed in early May. Light aids germination. Wonderful in borders, benefits from taller flowers in the background to form contrast, give support. Makes a good cutflower for local sales but does not ship well. Harvest when the first flowers on the stem are open. Lasts 5-10 days in the vase. ② **A**=0.7g, 80¢ (~2,200 seeds), **B**=7g, $2.20, **C**=28g, $5.00 (3,157 seeds/g)

**5172MH Marine Heliotrope** *Heliotropium arborescens* Native to Peru, an old-fashioned scented flower with a rich history. It is "to be sown in the Spring, a delicious flower…the smell rewards the care," wrote Thomas Jefferson. The aroma fills the garden on a cool damp day. Victorian-era rose beds were often edged with heliotrope and it is still cultivated in Europe as a fragrance for perfumes. Smells like sweet violet, but deeper, and has been described as similar to vanilla, almond, or cherry pie. Works well in hanging baskets or containers as well as in the front of borders or any location where the scent will readily reach you. It may be transplanted indoors for the winter. 14-18" plants with deeply etched viburnum-like dark green leaves bear big flat clusters of tiny star-shaped royal blue flowers. Somewhat slow, erratic germinator, takes at least 2-3 weeks. ② **A**=0.1g, $1.80 (~150 seeds), **B**=0.6g, $6.00, **C**=3g, $15.00 (1,500 seeds/g)



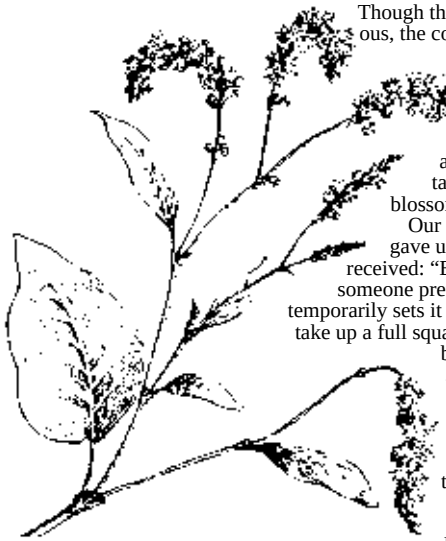

## IMPATIENS *spp.*

Our best-known bedding plant, named for the way its seeds pop explosively out of their ripe pods. But pinch blooms before they go to seed for best display. Start indoors, need light so surface-sow, 70-80˚, takes 14 days to germinate, provide even moisture, do not overfeed, set out after danger of frost.

**Java Orange New Guinea Impatiens** *I. hawkeri* Dropped by the trade. *Not available in 2007.*

**5175SE Super Elfin Pastel Mix** *I. wallerana* Freely branching 8-10" plants covered with masses of pastel colors: blue pearl, pink with a rose eye, salmon with a coral eye, white, coral, pink and salmon. Impatiens are the nation's #1 bedding plant because they thrive in shade and require so little care. ⑤ **A**=0.03g, $2.00 (~48 seeds), **B**=0.15g, $8.00 (1,600 seeds/g)

**5176KO Kiss-Me-over-the-Garden-Gate OG** *Polygonum orientale* Though the Latin name is more sonorous, the common name conveys a certain charm which suits the plant. It is easy to imagine an amorous meeting amongst the shelter of these 6-7' annuals, surrounded by large tassels of lightly-scented pink blossoms and heart-shaped leaves! Our answer to the customer who gave us the best advice we've ever received: "Breathe and laugh a lot. Kiss someone pretty." Although transplanting temporarily sets it back, it grows vigorously to take up a full square yard at maximum size. It blooms from July to frost. In 2001 it regrouped to resume blooming even after being flattened by an early snow. Sometimes self-sows. Start indoors at 70-75˚, covering the seed, keeping soil surface moist till emergence. Fussy, slow, erratic germinator. Germination can be improved by stratifying for three weeks. Likes full sun or light shade. Offered by Burpee in 1935 for 15¢ per packet as Ruby Gem. MOFGA-certified. ① **A**=1g, $1.20 (~120 seeds), **B**=3g, $2.50, **C**=12g, $7.00 (120 seeds/g)



## LARKSPUR *Consolida ajacis, also Delphinium consolida*

We offer the Giant Imperial series, 3'. Long flower spikes are used as cutflowers or in dried arrangements. Delphinium-like flowers on upright long-stemmed plants. Cut when one third of the flowers on the stem are open. Likes cool moist conditions. Very slow to give in to fall frosts. May be direct seeded in early spring or started indoors and grown on at 55˚ and set out in 8 weeks. Does not germinate well in warmer temperatures. Refrigerating for a week will improve germination. For cuts vase life is 6-8 days. Excellent for drying. All types about **330 seeds/g** except where noted.

**5177BS Blue Spire** Dark blue. ② **A**=1g, 90¢ (~330 seeds), **B**=4g, $2.20, **C**=16g, $5.50, **D**=80g, $20.00

**5179CR Carmine** ② **A**=1g, 90¢ (~330 seeds), **B**=4g, $2.20, **C**=16g, $5.50, **D**=64g, $20.00

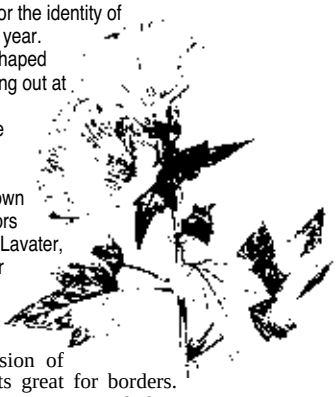
**5182LK Lilac King** ② **A**=1g, 90¢ (~330 seeds), **B**=4g, $2.20, **C**=16g, $5.50, **D**=80g, $20.00

**5190WS White Spire** 1937 AAS. ② **A**=1g, 90¢ (~330 seeds), **B**=4g, $2.20, **C**=16g, $6.00, **D**=80g, $22.00

**5194MX Mixed** Pinks, purples, blues and white make a beautiful background, good for cutting. ② **A**=1g, 80¢ (~280 seeds), **B**=4g, $2.00, **C**=16g, $5.00, **D**=4oz, $24.00

**5198BC Blue Cloud** *C. regalis* Blue Cloud doesn't shoot up a single spike like most larkspurs. Instead it sends flocks of bushy 5-petaled rich blue 1/2" florets on wispy foliage which, *en masse*, give the effect of clouds. Its tiny seed pods are equally decorative. Will self-sow vigorously. ③ **A**=0.1g, 90¢ (~80 seeds), **B**=0.5g, $2.20, **C**=5g, $5.00, **D**=50g, $15.00 (800 seeds/g)

## LAVATERA *L. trimestris*



Newcomers to my garden frequently ask for the identity of this flower so they can grow it the following year. Every stalk is covered with single funnel-shaped blossoms. Start indoors 8 wks before setting out at 70-72˚, growing on at 65-70˚ days and 60˚ nights, or direct seed in sunny spot. Space 18-24". Cut when flowers are unfurling or have just begun to bloom. Vase life is one week. Will survive light fall frosts. Also known as Herb Treemallow; botanical name honors the 16th century Swiss naturalist brothers Lavater, and the three-month bloom time in warmer climes. **150 seeds/g.**

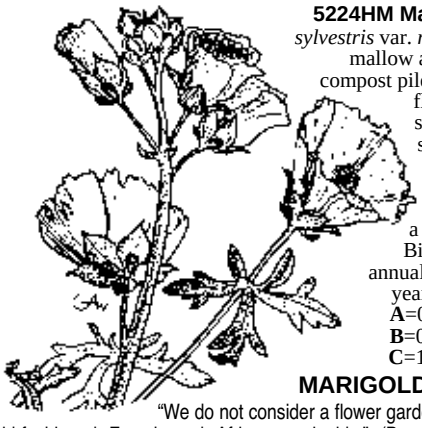
**5202LM Mix** More than 80% pink shades (some light and some dark) and the remainder white. An explosion of exotic blooms on 2' tall bushy plants great for borders. Lasts in bouquets after most others have shrivelled. ② ② **A**=1g, 80¢ (~150 seeds), **B**=4g, $2.00, **C**=16g, $5.00, **D**=64g, $12.00

**5206MB Mont Blanc** Slightly dwarf (20") hybrid with white blossoms. Fleuroselect medal winner. Too short for commercial cutting, but nice in borders. Impressed a lot of people at the SARE orchard garden at MOFGA's fairgrounds. ② **A**=1g, 80¢ (~150 seeds), **B**=4g, $2.00, **C**=16g, $5.00, **D**=64g, $12.00

**5210TG Tanagra** Extra-large 4-5" deep rose flowers with lighter veining borne on robust 3' plants. ② **A**=1g, 90¢ (~125 seeds), **B**=4g, $2.20, **C**=12g, $5.50, **D**=60g, $12.00

**5215CP Crystal Palace Blue Lobelia** *L. erinus* For malevolence. Named for the Flemish botanist Mathias de l'Obel who was a physician to King James I of England. An old variety, offered by Henderson in 1902 for a dime per packet. With bronze-green foliage and stunning deep blue flowers, this is the perfect window box plant. 4" tall, great for edgings, walks and borders. Mix with dwarf yellow marigolds for a spectacular contrast. Needs light to germinate. Tolerates some shade. Cannot stand frost. ②③ **A**=0.2g, $1.00 (~6,000 seeds), **B**=1g, $2.00, **C**=4g, $5.00, **D**=40g, $32.00 (30,000 seeds/g)

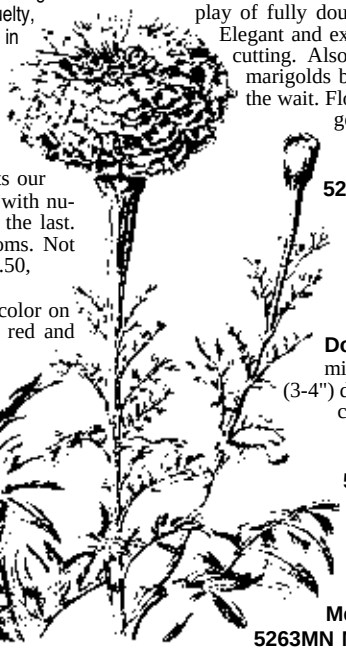
**5217LL Loves-Lies-Bleeding** *Amaranthus caudatus* From the Greek *amarantos* meaning "unfading." Also known as Tassel Flower. Well-loved by cottage gardeners for more than 300 years. This vigorous 2-4' branching annual sports long drooping red tassels which hold until frost. Makes a good border; stake and tie for neater appearance. Goes well with bachelor buttons, nicotiana or sunflowers. Start indoors at 70-75˚, grow on at 62-65˚. Avoid heavy fertilization. Space at least 1 ft. apart for strong stems. May be air-dried by hanging upside down. Use heat to hold a better color. ② **A**=1g, 80¢ (~1,500 seeds), **B**=7g, $2.00, **C**=28g, $5.00



**5224HM Mauritanean Malva** *Malva sylvestris* var. *mauritania* I first spied this mallow as a volunteer in one of my compost piles, a refugee from a distant flower garden. Bears lots of striking large single fuchsia saucer-shaped flowers with dark veins. Give this large plant (about 3' across and 4' high) plenty of room in a focal point in your garden. Biennial usually grown as an annual; will often flower the first year. Self sows vigorously. ③ **A**=0.15g, 90¢ (~22 seeds), **B**=0.6g, $2.20, **C**=1.8g, $5.50 (153 seeds/g)

## MARIGOLD *Tagetes spp.*

"We do not consider a flower garden complete without the good old-fashioned French and African marigolds." (Breck's, 1885) For cruelty, jealousy and grief. Good for bedding, in planters, or low borders. Grown in Brazil 400 years ago, said to have been sacred to the Aztecs. In 1939 Burpee's Red and Gold hybrid was the first hybrid flower from seed offered commercially in the United States. Sow after soil has warmed, or inside in a warm (75-80˚) spot, 3 weeks before setting out after danger of frost. Likes full sun. Tolerant to drought. About **300 seeds/g** except where noted.

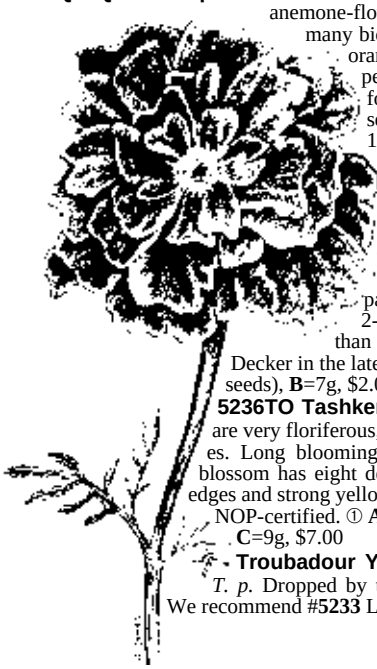


**5228AF Aurora Yellow Fire** *T. patula* This French beauty lights our fires with bright yellow flowers inset with red flames. Extra early with numerous large flowers, consistently double from the first bloom to the last. The compact neat rounded 8-10" plants bear flat-petaled 2½" blooms. Not day-length sensitive. PVP. ⑤ **A**=0.25g, $1.50 (~57 seeds), **B**=1g, $4.50, **C**=4g, $13.00 (229 seeds/g)

**5230BR Brocade Mix French Dwarf Double** *T. p.* Abundant color on neat, compact 10" plants. Ruffled flowers in rust, yellow, orange, red and bicolors. ② **A**=0.5g, 80¢ (~130 seeds), **B**=7g, $2.00, **C**=28g, $5.00 (260 seeds/g)

**5232HQ Harlequin** *T. p.* Ever since Harlequin wowed us in Nikos' first year in charge of the trials, she had been unable to locate seed. In the interim we tried many surrogates, but all proved to be clowns without costumes, putting forth luxuriant foliage with almost no blossoms. Harlequin is floriferous, even in our cool northern summers. An antique variety going back at least to the early 1800s, Harlequin sports stunning single maroon and yellow radially striped pinwheel flowers that bloom in about 85 days on 1' plants. Send in the clowns! ② **A**=0.25g, 90¢ (~80 seeds), **B**=1g, $2.20, **C**=5g, $5.50, **D**=20g, $18.00 (320 seeds/g)

**5233LD Lemondrop French Dwarf Double** *T. p.* With Troubadour no longer available, we've returned to this old standby that we offered from 1982-1999. A beautiful true yellow extra dwarf crested variety. Blooms early, through summer into fall. Start three weeks before setting out, or direct sow. **BACK!** ② **A**=1g, 80¢ (~640 seeds), **B**=7g, $2.00, **C**=28g, $5.00 (640 seeds/g)



**5234QS Queen Sophia French Dwarf Double** *T. p.* Award-winning anemone-flowered dwarf. Each plant produces many bicolored blooms. Flowers are deep orange rust and, as they mature, petals are edged with gold. Named for Queen Sophia of Spain. Voted second-most popular AAS flower. 10-12". ② **A**=0.7g, $1.80 (~225 seeds), **B**=3.5g, $6.00, **C**=14g, $14.00

**5235SP Sparky Mix French Dwarf Double** *T. p.* Combines yellow, gold, orange and red blooms on free-flowering compact 10-12" plants. Flowers are 2-2½" wide with smoother petals than Brocade. Introduced by Darold Decker in the late '50s. ② **A**=1g, 80¢ (~300 seeds), **B**=7g, $2.00, **C**=28g, $5.00

**5236TO Tashkent OG** *T. p.* These pretty singles are very floriferous, especially as first frost approaches. Long blooming period begins early July. Each blossom has eight deep maroon-red petals with frilly edges and strong yellow centers. 12-14". **BACK!** Stellar NOP-certified. ① **A**=1g, $1.20, **B**=3g, $3.00, **C**=9g, $7.00

**Troubadour Yellow French Dwarf Double** *T. p.* Dropped by the trade, *not available in 2007.* We recommend #**5233** Lemondrop.

**5243LG Lemon Gem** *T. tenuifolia pumila* Compact 10-12" plant bears tiny bright lemon-yellow flowers early, through summer, into fall. Blooms are edible with lemony scent. Chinese Forget-Me-Not makes a great background plant to the Gems. Signet marigolds, once known as Mexican marigolds, date back to 1798. ② **A**=0.5g, $1.00 (~600 seeds), **B**=1.5g, $2.00, **C**=6g, $5.00, **D**=24g, $12.00 (1,200 seeds/g)

**5246TG Tangerine Gem** *T. t. p.* As above, but the tiny fragrant flowers are deep orange. They make colorful tasty additions to salads. If you cut them, they'll keep coming. Watering in dry spells also helps. ③③ **A**=0.5g, $1.40 (~500 seeds), **B**=1.5g, $3.00, **C**=6g, $9.00, **D**=24g, $30.00 (1,000 seeds/g)

**5249DJ Diamond Jubilee Mix** *T. erecta* F-1 hybrid makes luxuriant display of fully double 2-4" blooms in gold, orange and bright yellow. Elegant and exuberant! Bushy 2' plants send long stems perfect for cutting. Also spectacular in beds. Give wider space than other marigolds because of its spreading habit. A little late but worth the wait. Floriferous in September. Deservedly an AAS selection, good enough to grace the cover of Johnny's 2004 home garden catalog. ② **A**=0.1g, $1.20, *not available in larger sizes.*

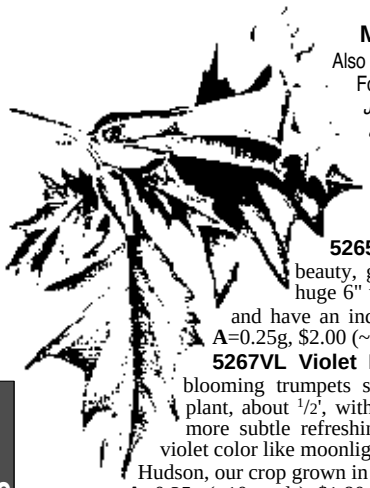
**5250FL First Lady African Semi-Dwarf Double** *T. e.* Voted the all-time favorite AAS flower. A lovely 20" border or hedge plant, covered with sunny yellow double carnation-like flowers 3½" across which keep coming till frost. ⑤ **A**=0.1g, $2.40 (~33 seeds), **B**=1g, $10.00 (335 seeds/g)

**5253SC Sweet Cream African Semi-Dwarf Double** *T. e.* Actually resembles the sweet creamy farm milk of yore—outstanding off-white color. Profuse large (3-4") double blooms on 18" stocky plants until frost. Use for cutting or keep deadheaded to maintain Sweet Cream's classy good looks. ⑤ **A**=0.05g, $2.00 (~15 seeds), **B**=0.2g, $6.00 (300 seeds/g)

**5254CR Tall African Crackerjack Mix** *T. e.* A tall (30") carnation-flowered type. Early mix of orange, gold, yellow. Large, fully doubled flowers rarely need staking. ② **A**=1g, 80¢ (~320 seeds), **B**=14g, $2.20, **C**=56g, $5.50, **D**=224g, $16.00

**Mexican Sunflower** See *Tithonia* #**5459**-**5460**.

**5263MN Mignonette** *Reseda odorata* For moral and intellectual worth. "Mignonette should not be forgotten, on account of its delicious odor." (Breck's 1885) Once fashionable on the balconies of Paris, popular enough to command 7 listings in the 1935 Burpee catalog, it has seemingly lost its cachet. However, a revived interest in scent could reverse the trend, for Mignonette is among the most fragrant. Its insignificant yellow-green blossoms send the haunting scent of raspberries wafting through the air and attract bees. Less than a foot high, it can be grown in pots and moved for best effect; however its scent will fade if it is removed from full-day sun. Direct seed, do not cover. Make succession plantings for continuous blooms. Prefers fertile well-drained soil and cool weather. Burpee claimed a light sandy soil brings out its most pronounced perfume. ② **A**=1g, 80¢ (~750 seeds), **B**=4g, $2.00, **C**=16g, $5.00



## MOON LILY *Datura inoxia*

Also known as Angel's Trumpet or Tolguaca. For deceitful charms. *This close relative of Jimson Weed is poisonous. Never ingest any part of it!* Will be a real conversation piece in your garden. Prickly pods are useful in dried arrangements. Poor germinator; disturb the seedbed in your flats daily to stimulate sprouting.

**5265ML Moon Lily** Of spectacular beauty, growing 3' tall and spreading with huge 6" white trumpets which open at night and have an indescribable ambrosial fragrance. ② **A**=0.25g, $2.00 (~10 seeds), **B**=2g, $6.00 (40 seeds/g)

**5267VL Violet Moon Lily ECO** Perfumy night-blooming trumpets similar to Moon Lily but smaller plant, about 1/2', with smaller single purple flowers and more subtle refreshing, less sweet fragrance. Glowing violet color like moonlight at dusk. Seed originally from J.L. Hudson, our crop grown in Maine. **BACK!** ① **A**=0.25g (~10 seeds), $1.80, **B**=2g, $5.00 (40 seeds/g)

## MORNING GLORY *Ipomoea spp.*

For bonds, attachment. Easily grown climber with trumpet-shaped flowers provides color and shade, decorates fence or post. Plant with NE to SE exposure for best results. Nick seeds with a file and soak overnight to speed germination. Germinates in 2 weeks at 75-80˚. Sow outdoors after danger of frost or indoors in peat pots as they resent transplanting. Overly rich soil will yield excess foliage and sparse blooms.

**5271FS Flying Saucers** *I. nil* This is the floral version of ET, the blooms like pods from another world. Actually Sputnik had been in space only three years, and the lunar landing was still to come when seedsman Darold Decker created these gaudy 4" open trumpets. A bi-color morning glory, featuring clear white cups streaked with sky blue. The swirly blue patterns create the ethereal saucer effect that inspired its name. Can be brought inside in the bud stage for a week-long show as the amazing blossoms unfurl their patterns. Climber grows 8-10'. ② **A**=1.5g, 80¢ (~45 seeds), **B**=6g, $2.00, **C**=18g, $5.00, **D**=90g, $15.00 (30 seeds/g)

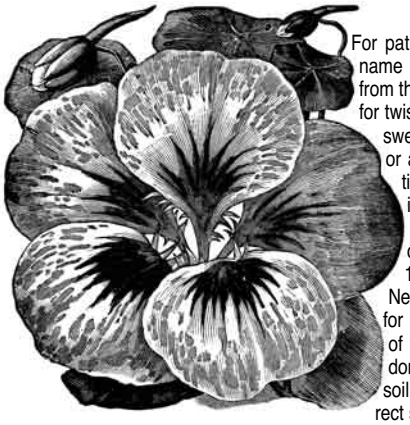
**5272HB Clarke's Heavenly Blue** *I. tricolor* Intense blue lightens toward center; a sun-loving vine. 12'. ② **A**=3.5g, 80¢ (~80 seeds), **B**=14g, $2.00, **C**=56g, $6.00, **D**=1lb, $24.00 (23 seeds/g)

**5275KO Kniola's Purple OG** *I. purpurea* Beautiful glowing rich deep purple flowers vibrate against lush green foliage. Unlike Heavenly Blue or most other morning glories, Kniola's starts blooming while it is only 2' tall and still vining. As the vines climb on to 8-9', the blooms also continue, lasting the entire season. The deep blooms have a magenta star that radiates out from their pale pink-white throats. An heirloom discovered by a Mr. Kniola at an abandoned farm in Indiana. Nicholas Lindholm acquired seed from J.L. Hudson in 1993, thence passed it on to Roberta Bailey who has been maintaining it and culling out the magenta off-types. MOFGA-certified. ① **A**=0.25g, $2.00 (~10 seeds), **B**=1g, $7.00 (40 seeds/g)

**5277SH Scarlett O'Hara** *I. n.* Very large wine-red flowers on 10' vines. Won 1939 AAS shortly after publication of *Gone with the Wind*. ② **A**=3.5g, 80¢ (~80 seeds), **B**=14g, $2.00, **C**=56g, $5.00, **D**=224g, $13.00 (23 seeds/g)

**5278SS Sunrise Serenade** *I. p.* Gardeners are always looking for something new and different, so here it is: a double morning glory! Actually an old heirloom recently brought back and it's easy to see why. I first caught a glimpse of an unstaked plant snaking along in the undergrowth of a friend's garden and was arrested by the large 1-3" ruby-red blooms with white throats. As I bent closer, I was amazed by the frilly slightly wavy extra petals. A vigorous 12-15' plant, it needs to be tied up in order to climb. When thus displayed, the flowers contrast nicely against the heart-shaped green leaves. Often the first morning glory to bloom, also stays open longer than the singles. **NEW!** ② **A**=0.25g, $1.60 (~10 seeds), **B**=1g, $5.00, **C**=5g, $12.00, **D**=20g, $36.00 (40 seeds/g)

## NASTURTIUM *Tropaeolum majus*



For patriotism, to honor the brave. The name literally means "twisted nose," from the Latin *nasus* for nose and *tortus* for twist. Edible flowers lend a peppery-sweet taste to salads, with each color adding contrast and subtle variations in flavor. Blooms keep coming if cut. Round leaves also edible. Formerly used as a remedy against scurvy. Germinates 7-10 days at 65˚. Cover the seed. Needs cool temperatures outdoors for continuous blooming. Intolerant of frost. Avoid excess nitrogen, but don't relegate nasties to the worst soil. Like full sun. Start indoors or direct seed after last frost. **6-8 seeds/g.**

**5280AL Alaska Mix** Striking variegated green and white foliage will make a formidable bush if you feed it heavily. But go easy on the nitrogen if you want to eat lots of its tangy yellow and orange blossoms. A great plant for hanging baskets. 16". ② **A**=2g, 80¢ (~16 seeds), **B**=8g, $2.00, **C**=24g, $5.00, **D**=1lb, $30.00 (8 seeds/g)

**5282EI Empress of India** Hailed as a "great novelty" when introduced in 1884, and still popular today. Dark purplish-green leaves and stems make a perfect background for the brilliant crimson-scarlet flowers which stand out in bold relief. Spicy hot flowers live up to the promise of the plants' lovely olive toning. A good contrast with other varieties in your nasturtium patch. Do not feed heavily. 16" plants. ② **A**=3g, $1.00 (~22 seeds), **B**=9g, $2.50, **C**=27g, $7.00, **D**=1lb, $30.00 (7 seeds/g)

**5288JM Jewel Mix** Bushy variety holds bloom above foliage. Early free-flowering blend of colors. Blooms 6 weeks after sowing and continues until frost. 16". ③ **A**=4g, 80¢ (~25 seeds), **B**=16g, $2.00, **C**=64g, $5.00, **D**=1lb, $18.00 (6 seeds/g)

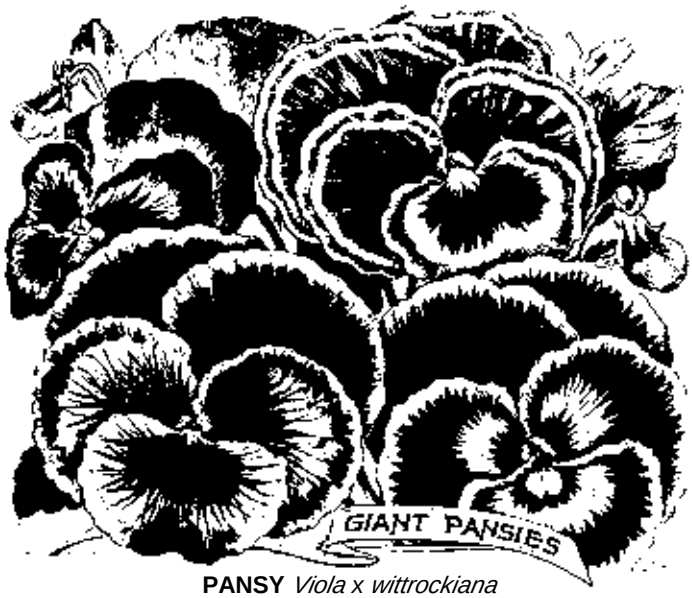
**5290PM Peach Melba** *T. minus* Named for 19th century operatic soprano Nellie (born Mitchell) Armstrong who was called Nellie Melba. She was also the inspiration for Melba Toast. Recommended by Eva Sommaripa and other growers who treasure its unique delicacy. Primrose-cream blossoms with pearly red centers look like miniature cut peaches. Sets its abundant blooms above the compact lily-pad foliage. Seed is expensive but worth it. ② **A**=1g, $1.50 (~8 seeds), **B**=4g, $5.00, **C**=16g, $15.00

**5292WB Whirlybird 7-Color Blend** *T. minus* Has large spurless upward-facing flowers borne above the foliage. Compact non-trailing plant habit. Recommended for commercial growers. 12" plants. ② **A**=2g, 80¢ (~16 seeds), **B**=6g, $2.00, **C**=24g, $5.00, **D**=1lb, $30.00 (8 seeds/g)

**5296TC Tall Climbing Mix** Tall trailing mix to 2' in red, orange, gold and exquisite bicolor shades. Each different colored blossom has its own distinctive taste. Plants will spread and fill in a huge space but having no tendrils cannot, strictly speaking, climb. The most prolific blossom set of any of the nasturtiums we have tried. ② **A**=4g, 90¢ (~25 seeds), **B**=28g, $2.50, **C**=84g, $6.00, **D**=1lb, $24.00 (6 seeds/g)

**5300LN Only the Lonely Nicotiana ECO** *N. sylvestris* Arrived in cultivation from Argentina in 1899 and offered by Geo. B. Haskell Co. of Lewiston, ME, for a nickel per packet in 1904. Also known as Woodland Tobacco, featuring clusters of drooping tubular white blossoms which perfume the garden day and night. In dwarfing nicotiana, breeders took away its fabulous fragrance. Only the Lonely, at a stately 5', is gangly but delivers the full powerful fragrance its more compact cousins lack. You might want to plant it near a door or under your bedroom window where you can enjoy the smell during the night. Germination is 10-12 days at 65-70˚. Light enhances germination. Grow on at 50-55˚. ① **A**=0.2g, $2.00 (~5,800 seeds), **B**=1g, $8.00 (29,000 seeds/g)

**5303SG Royale Mix Painted Tongue** *Salpiglossis sinuata* For political distinction. At last more of our customers are discovering that this exquisite beauty belies its unappealing names. These extremely floriferous 15-20" plants produce masses of elegant 3" trumpet flowers in a broad range of colors from chocolate, red, purple and yellow to purple-orange and pale blue bicolors. Germinates in 15 days at 70˚. Likes long days, lots of light and cool nighttime temperatures (50˚) to grow on. ④ **A**=0.01g, $2.00 (~45 seeds), **B**=0.05g, $6.00 (4,519 seeds/g)




## PANSY *Viola x wittrockiana*

Burpee's in 1888 called the pansy "the most popular of all flowers grown from seed," and sold more than 100,000 packets per year. James Vick's Sons sold 27 different kinds and mixtures in 1895. For thoughts, remembrance, from the French *pensée.* Old-fashioned bedding plant thrives in cool moist conditions. Start 2 months prior to planting in a cool (60-65˚) place. Cover seed to germinate. Takes about 12 days. Grow on in very cool temperatures—preferably below 50˚. Likes partial sun. **700 seeds/g.**

**5304CH Chalon** Evocative of Victorian aesthetics, Chalon does *not* display the familiar flat "faces" we've come to expect on our pansies. Rather, it offers a rich tapestry of solid color on frilly 2-3" picotee flowers. 'Picotee' refers to the lighter edge around the petals which is extremely fetching. The result is a charming illusion of doubled flowers. Luxuriant colors range from mahogany to violet to yellow. 6-8" plants. ④
**A**=0.1g, $2.00 (~70 seeds), **B**=0.4g, $6.00

**5305JJ Jolly Joker** All-America winner. Also lacks the usual "face;" its vibrant color combination of orange and purple will make you take notice. One of the hardiest pansies, as well as one of the slowest to "stretch." 8" ③
**A**=0.1g, $2.00 (~70 seeds), **B**=0.5g, $6.00

**5306SG Swiss Giant Regular Mix** Blotched flowers in a wide range of colors, with best color in cool of spring, 6" plants good for bedding or borders. Not recommended for commercial growers. ② **A**=0.1g, $1.00 (~80 seeds), **B**=1g, $2.50, **C**=4g, $6.00 (800 seeds/g)

## PETUNIA *P. x hybrida*

Your presence soothes me. Start indoors at 70-75˚ and grow on at same temperatures for 8 weeks before setting out after danger of frost. Do not cover seeds; light aids germination. Use loose medium and avoid overwatering. Drought-tolerant sun lovers. To avoid crushed seed in shipment, we pack all pelleted seed in protected vials. All F-1 hybrids. **10,000 seeds/g.**

**5308DD Daddy Mix** "Who's your daddy?" It's a hybrid, so we don't know. Very showy grandiflora has big 4" ruffled blooms in shades of light blue, orchid, peppermint, pink, plum and strawberry with darker veins. Stunning in baskets, these uniform plants also exhibit good weather tolerance when planted in full sun. 12-15". ⑤ **A**=0.03g, $2.20 (~300 seeds), **B**=0.12g, $7.50

**5309BW Blue Wave** Our latest addition to the Wave series was suggested by Nan King of Walpole, NH. She prefers Blue Wave's plant habit to the of purple, finding it less rangy, more floriferous and the foliage better at covering the underpinnings. Has a mounding appearance that spreads large. "A rich purple to my eye which combines well with clear red Pelargoniums, lemon yellow Bidens, and gray foliage plants in whiskey barrel planters." Pelleted seed, packed by count. **NEW!** ⑤ **A**=10 seeds, $2.00, **B**=40 seeds, $7.00

**5310PW Pink Wave** The Wave has caught on with our customers. We offer the pink, with white throats, to complement the purple, silver and blue. Pelleted seed, packed by count. ⑤ **A**=10 seeds, $2.00, **B**=40 seeds, $7.00

**5311PU Purple Wave** If you've given up on petunias because they're "wimpy" or require too much fussing, catch a Wave. Each plant carpets the ground with a spread of 4x4' of vivid fuchsia. Wave showed extreme drought tolerance in our trial, sailed through light frost and bounced back after torrential rain. Although never deadheaded or cut back, the 3" flowers just kept coming and coming. If you're looking for one to grow in containers or you need to cover a lot of ground or you just want a beautiful sea of color, try Wave. 1995 AAS. Pelleted seed, packed by count. ⑤ **A**=10 seeds, $2.00, **B**=40 seeds, $7.00

**5312TW Tidal Wave Silver** Despite its name, more a pale purple than silver, with darker purple veining. Spreads as much as 4' in all directions, and 2' high. This versatile landscaping tool can be used as a low hedge, ground cover, or trailing from pots. Plant in full sun in a location where its robust performance and light fragrance can sweep you away. Pelleted seed, packed by count. ⑤ **A**=10 seeds, $2.00, **B**=40 seeds, $7.00

## PHLOX *P. drummondii*

For unanimity. Breck's sold 15 different kinds in 1885. The word phlox signifies "a flame." Phlox is among the most colorful annuals for summer and fall beds, borders or window boxes. Start early indoors or direct sow in spring. Likes moist well-drained soil in full sun. One of the longest lasting in the vase. About the last to succumb to frost. For perennial phlox see **#6234. 500 seeds/g.**

**5313PH Drummondii Mix** Large-flowered mix of crimson, scarlet, pink, white and salmon with white eyes. 6-8".② **A**=0.4g, 90¢ (~200 seeds), **B**=2g, $2.20, **C**=8g, $5.00 (500 seeds/g)

**5315TW Twinkle** Also called Sternenzauber. Donna Dyrek's 10-year lobbying campaign finally bore fruit in 2005, breaking down our stubborn resistance. Over the years, she wasted no opportunities to put these cuties in our path. Here are short 8" little bicolored stars in all those typical phloxy colors: white with shades of pink, lavender, purple and red. The blossoms have little star points with white edges, hence the twinkle. We need higher sales to put a twinkle in Donna's eyes. ③ **A**=0.4g, 90¢ (~270 seeds), **B**=2g, $2.20, **C**=8g, $5.00 (673 seeds/g)

**5316PC Imperial Mix Pincushion Flower** *Scabiosa atropurpurea* For unfortunate attachment, was also known as Mourning Bride and Mournful Widow. Despite these negative associations, was once very fashionable. As late as 1955 Burpee offered 12 kinds and colors. Now a neglected but excellent old-fashioned cutflower. Flowers, perfect 1" mounds of tiny blossoms with a sweet smell, bloom profusely on long wiry stems. Harvest when the flowers are almost fully open. Blend of crimson, rose, lavender and white. Grows to 3', or pinch to induce bushiness. Ours thrived in the wet fall of 2003 and continued blooming after several light frosts. They also dry beautifully for winter bouquets. ② **A**=0.5g, 90¢ (~70 seeds), **B**=3g, $2.20, **C**=15g, $5.00 (140 seeds/g)

**Pinks** See Dianthus, #**5143**-**5146**.

## POPPY *Papaver spp.*

Forget the past and hope for the future. Sensuous luxurious flowers, about 2½-3' tall. Need light to germinate. Sow outside in spring after frost or sow in fall for early blooms the following summer. Thin to 9-12". Like full sun. Will self sow. We are pleased to offer two heirloom breadseed varieties especially suitable for baking. Poppies make wondrous cutflowers: choose buds that have straightened up but not quite opened. Immediately sear the cut stem with a lighter and put in water. Poppies open after several hours—an austere bouquet in the evening can become a riot of colors by the next morn. All types **7,000 seeds/g** except where noted.

**5318EO Elka OG** An unusual double-purpose poppy sporting enormous seed heads up to 1½" wide and 2" high in good years, somewhat smaller in drought. About 75% of the heads are unvented so that the seed is not broadcast. From Chrenovec in central Slovakia, where fifty or more years ago, families grew both the black Breadseed poppy and white-seeded Elka, and collected 50 kilograms of each for a year's cooking. When walnuts became widely available in stores, Elka almost completely disappeared. Named in honor of the old woman on a mountainside who is the last one left who continues to grow the variety in her area. Lacks the distinctive flavor of the Breadseed variety but sweeter, with a more nutlike taste, none of the bitterness, and over 50% more oil content, making perhaps the best quality edible oil in central Europe. Plants grow 4' with white-lavender blossoms, like calcium-rich soil, don't transplant well. For best results thin to at least 5-6" apart. Some folks tie a group of plants together for support against wind breakage. Isolate from other poppies by at least 250' if you wish to save seed. MOFGA-certified. ① **A**=0.1g, $1.00 (~700 seeds), **B**=0.3g, $2.50, **C**=1.2g, $5.00, **D**=6g, $12.00

**5320ZO Ziar Breadseed OG** Unusual twin to #**5318** Elka bred to eliminate the vents in its large seed head so the blue seeds stay in the heads to be collected. Ornamental single pink to red petals with centers ranging from pale red through dark colors. Although the first batch of seeds had some difficulty adapting to the cold climates of Canada and Maine, Ziar has been selected over the past 20 years for better cold survival. Slovakian variety once a mainstay of the local cuisine. MOFGA-certified. ① **A**=0.1g, $1.00 (~700 seeds), **B**=0.3g, $2.50, **C**=1.2g, $6.00, **D**=6g, $12.00

**5322BP Black Peony** We'd seen poppies in a lot of different colors, but never one like this fully double ruffled flower of the deepest purple, almost black. Strong tall stems. 2'. ② **A**=0.2g, 90¢ (~420 seeds), **B**=1g, $2.20, **C**=5g, $5.00 (2,100 seeds/g)

**Carnation Rose** No seed crop, *not available in 2007.*

**5330DF Danish Flag** According to legend, Denmark's flag came from the sky to King Valdemar II in 1219. The origins of the *Danebrog* or Danish Flag poppy, are more obscure but predate 1888. Flag is named for the white spots at the base of the petals which form a cross in the center of the brilliant scarlet flowers somewhat mimicking the Danish flag. The lush single blooms, more than 4" across with fringed petals, sit atop 27" stems with blue-green foliage. After their showy blooms, the flowers make attractive large seedheads ideal for drying. ② **A**=0.2g, 90¢ (~440 seeds), **B**=1g, $2.20, **C**=7g, $5.00 (2,200 seeds/g)

**5332FR Fluffy Ruffles** This is the closest we have seen to a pompon poppy. Though not a full pompon, the fringes on the blossom ends give it that spider-aster look. The full range of colors includes red, pink and white. Reblooms after deadheading, though the blooms are smaller. 3'. ② **A**=0.2g, 90¢ (~440 seeds), **B**=1g, $2.20, **C**=5g, $5.00 (2,200 seeds/g)

**5333LB Ladybird** Not a reference to Lady Bird Johnson though it might be appropriate to name such a flower for her since she was instrumental in decorating our highways with wildflowers when she was first lady. Ladybird is instead British for ladybug, as the four black dots in the center of these fire engine-red blooms make a more-than-fanciful resemblance to the beloved beetle. Compact 1½" delicate single blooms atop wiry 15" stems. This cottage variety, great for edging the flower garden, dates back to 1876. Bloomed June 30 from a May 2 planting. ③ **A**=0.2g, 90¢, **B**=1g, $2.20, **C**=4g, $5.00

**5334LO Large Lavender OG** Passed along to Jeanne Griffin by a German friend, these tall poppies bloom in July with 2½-3" single flowers that have exquisitely shaded and fringed petals. Long blooming period. Large 1" seed pods can be used in dried arrangements. MOFGA-certified. *Seed in short supply; order early.* MOFGA-certified. ① **A**=0.2g, $1.00 (~1400 seeds), **B**=1g, $2.50, **C**=4g, $6.00

**5346SH Shirley Double Choice Mix** Also known as Corn Poppy, was called Ghost or Fairy Poppy early in the century. Elegant semi-double blooms all summer in shades of pink, rose, salmon, scarlet and white. The name Shirley refers to the town in Surry, England, where the Rev. Henry Wilkes originally raised the variety. Predates 1904. 2½' tall. ②③ **A**=0.7g, 90¢ (~4900 seeds), **B**=7g, $2.20, **C**=28g, $5.00

**5352MB Mission Bells California Poppy** *Eschscholzia californica* Do not refuse me. The state flower of California sports colorful, semi-double 2-3" orange flowers, occasionally yellow or pink. Excellent for borders, rock gardens, bedding. Likes full sun. Do not transplant. Direct seed in May after soil has begun warming. Make succession plantings for blooms all summer. 2'. ② **A**=0.5g, 90¢ (~325 seeds), **B**=2g, $2.20, **C**=6g, $5.00, **D**=24g, $12.00 (650 seeds/g)

**5356SD Sundial Mix Portulaca** *P. grandiflora* Love in a cottage. As Vick's said in 1895, "When everything else is perishing for lack of moisture, the portulaca will give its largest flowers and brightest colors." Sundial is a dramatic improvement on the familiar Moss Rose, exhibiting early blooming of large 2" fully double flowers which stay open longer than other mixes. Provides a vivid array of cream, fuchsia, gold, peppermint, orange, pink, scarlet, white and yellow on succulent low-spreading 6" plants good in hanging planters and most colorful in massed plantings. Excels in droughts, thrives in sandy soil, full sun. Blossoms close in cloudy weather and late afternoons. Easy to grow, blooms 8 weeks from sowing, chill seed for 2 weeks then start in a warm (70-85˚) spot, needs light to germinate. ② **A**=0.01g, $1.80 (~84 seeds), **B**=0.05g, $6.00 (8,400 seeds/g)

## RUDBECKIA *R. hirta*

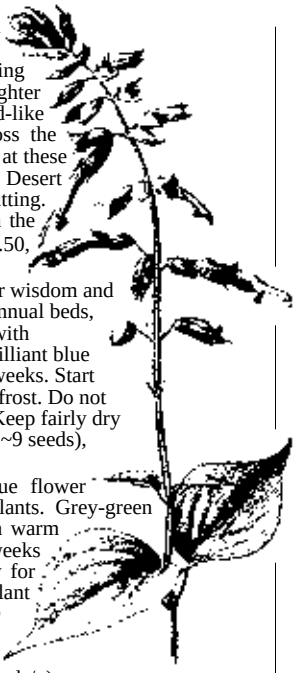
Named for Olaf Rudbeck (1660-1740), professor of botany at Uppsala in Sweden and a teacher of Linnaeus. Improved versions of these rugged North American native Black-Eyed Susans far outstrip their wild counterparts in size and color. Drought-tolerant. Start indoors at 70˚ and do not cover the seed. Takes 14-21 days to germinate. Transplant out after danger of frost at 15-18" spacing. See also perennial #**6269**.

**5357GD Gloriosa Daisy** These workhorses have lately fallen out of favor but deserve a place in your garden. Impervious to the hottest sun and the poorest soils, they reward even the novice with nonstop flowers from late July until fall frosts. Flowers up to 6" on 2-3' stems have the hues of mixed sunflowers: yellow, gold, orange and reddish brown, surrounding chocolate brown centers. They enhance the border and can be brought inside as cuts. Start seeds directly outdoors as soon as the ground can be worked. Space about 1' apart in full sun. ② **A**=2g, 90¢ (~20 seeds), **B**=6g, $2.50, **C**=24g, $6.00, **D**=72g, $16.00 (10 seeds/g)

**5358GL Goldilocks** Brighten bouquets and beds with these 4" golden-orange blooms with deep-set brown eye. Long strong stems set on 24-30" plants make this an outstanding cutflower. Enough are fully double to give the effect of a patch of chrysanthemums. Bloomed July 27 from a May 2 start in Central Maine. ②③ **A**=0.1g, $1.20 (~180 seeds), **B**=0.3g, $3.00, **C**=1.2g, $7.50 (1,800 seeds/g)

**5359SB Indian Summer** You won't find any wild Black-Eyed Susans that look like 1995 AAS Indian Summer, whose enormous golden-yellow blooms are 6-9" across. Indian Summer grows up to 3' but branches so that staking is not necessary. Its long straight stems make excellent cutflowers which last more than a week in the vase. Start indoors for early blooms. Will withstand light fall frosts and still go strong into October. Bred by Flecke of Germany. In warmer areas may be able to survive the winter and return the next year with earlier blooms. ② **A**=0.1g, $1.10 (~140 seeds), **B**=0.3g, $2.80, **C**=2.1g, $7.00, **D**=8.4g, $22.00 (1,400 seeds/g)

**5360PS Prairie Sun** These are so pretty they will make you smile. Sixteen pointy golden petals with light yellow tips encircle a subtle green center. Flowers are very large and distinctive. Branching 24-30" plants have long stems, ideal for cut flowers. Judges on two continents were so impressed that they made Prairie Sun both an AAS and a Fleuroselect winner in 2004. Start indoors at 70˚ and transplant out after danger of frost. Do not cover the seed. Takes 14-21 days to germinate. From a May 2 start our trialer had first blooms on July 29. Likes full sun. ③ **A**=0.02g, $2.00 (~30 seeds), **B**=0.1g, $7.00 (1,500 seeds/g)



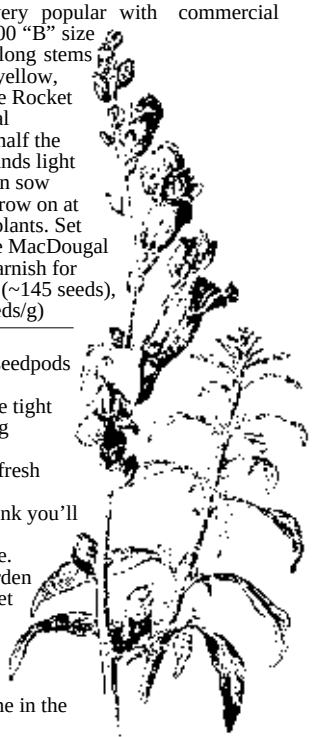
**5361GS Gentian Sage** *Salvia patens* It's hard to say whether magnificent blue blossoms or dynamic flower shape is this salvia's most exciting feature. Clear bright flowers are one shade lighter than cobalt blue. Each flower on the monkshood-like spike has a top petal "hood" that lunges across the pendant lower petals. Nikos and Susan marveled at these 2½' plants at Rockefeller Gardens on Mount Desert Island. Flower spikes 12-15" long, good for cutting. Tender perennial, can be grown as an annual in the North. ③ **A**=0.1g, $1.00 (~13 seeds), **B**=0.3g, $2.50, **C**=1.2g, $6.00, **D**=6g, $24.00 (130 seeds/g)

**5363SB Signum Blue Salvia** *S. farinacea* For wisdom and energy. If you want masses of true blue in your annual beds, Signum Blue is for you. Compact 12-18" plants with grey-green foliage have long-lasting 6-8" high brilliant blue flower spikes that bloom all at once and last for weeks. Start indoors in a warm place 10-12 weeks before last frost. Do not cover seed. Plant outdoors after danger of frost. Keep fairly dry for best foliage color. **BACK!** ② **A**=0.1g, $1.00 (~9 seeds), **B**=0.3g, $2.50, **C**=0.9g, $7.00 (90 seeds/g)

**5364BB Blue Bedder Salvia** *S. f.* True blue flower spikes are abundant for weeks on bushy 3' plants. Grey-green foliage. Light aids germination. Start indoors in warm location (do not cover seed) 4-6 weeks before last frost, keep fairly dry for best foliage color, and transplant outdoors after danger of frost. ② **A**=0.2g, 90¢ (~180 seeds), **B**=1g, $2.20 (900 seeds/g)

**5365SC Angel Wings Schizanthus** *Schizanthus pinnatus* Also known as Butterfly Flower or Poor Man's Orchid. For coquetry. Bring a hint of the exotic to your garden by growing this colorful array of delicate orchid-like flowers with pansy faces. Softly complementary shades of pink, violet and rose with contrasting blotched and stippled throats create the effect of an 18" fern covered by rare little butterflies. Bring cut sprays of bloom indoors for a touch of charm. Do not cover the fine seed, but do cover the flats or pots with a sheet of black plastic because darkness aids germination. Takes 1-2 weeks to germinate. ② **A**=0.2g, 90¢ (~300 seeds), **B**=1g, $2.20, **C**=5g, $5.00 (1,517 seeds/g)

**5369RS Rocket Mix Snapdragon** *Antirrhinum majus* F-1 hybrid very popular with commercial growers. We sold over 100 "B" size packets. For deception. Its long stems and vibrant colors: pink, red, yellow, orange, white and orchid make Rocket the standard snapdragon for cutting. For local production of cuts, harvest when more than half the flowers are open. Will last 5-8 days. Withstands light fall frosts. Refrigerate seeds 8-10 weeks, then sow indoors at 65-75˚. Do not cover the seeds. Grow on at 60˚; warmer temperatures cause leggy transplants. Set out after danger of frost, spacing 9-12". Ellie MacDougal says snapdragon flowers make a delicious garnish for applesauce with raisins. ② **A**=0.025g, $2.00 (~145 seeds), **B**=0.125g, $6.00, **C**=0.5g, $20.00 (5,800 seeds/g)



**Hints for Cutting Flowers**

- Deadhead spent blooms frequently to keep seedpods from forming.
- Cut flowers in early morning when stems are tight with water taken up overnight. Avoid cutting flowers in the heat of day.
- Pick newly opened blossoms. Unpollinated fresh flowers have a longer vase life.
- Cut stems several inches longer than you think you'll need.
- Make a clean cut with sharp scissors or knife.
- Carry a bucket of lukewarm water to the garden with you. Place stems directly into the bucket as you cut them.
- Allow your bucket to rest in a cool, dark place for several hours before arranging your bouquet.
- Strip any foliage that will be below water line in the vase.
- Recut stems under lukewarm water, then transfer immediately to a vase of lukewarm water.
- Change water frequently to prolong life. Recut flower stems a small amount every few days.
- Keep finished bouquets out of drafts and direct sunlight.

## STOCK *Matthiola incana*

For promptness. Old-fashioned bedding plant formerly known as Gilliflower, with multiple spikes of usually double flower clusters. Genus is named for Pierandrea Mattioli, a 16th century Italian botanist, while *incana* means hoary or light grey, referring to its soft grey leaves. Good in beds, borders and containers. Tolerate frost to around 26˚F. For earlier blooms, sow indoors at 60-65˚ 6 to 8 weeks before setting out after danger of frost. Likes moderately fertile moist well-drained soil, full sun. Stocks are Crucifers; for good rotation, don't plant them where you recently had brassicas or follow them with members of that family.

**5374TW Dwarf Ten Weeks Mix** Formula blended. Dwarf plant reaches 12-14". Each produces abundant flowers at their best in the cool of September and tolerant of light fall frosts. Light and dark blue, lavender, white, pink and red blossoms for bedding and cutflowers. Harvest flowers when fully open for cuts. Recut stems frequently. Predates 1902. ⑤ **A**=0.4g, 90¢ (~250 seeds), **B**=2g, $2.20, **C**=12g, $5.00 (625 seeds/g)

**5377VR Vintage Red** Bred for larger flowers and early bloom, Red exhibits an intense rosy shade as well as excellent basal branching yielding many flower spikes. 18" tall. ⑤ **A**=0.1g, $1.80 (~60 seeds), **B**=0.5g, $6.00 (600 seeds/g)

**5379SS Starlight Scentsation** *M. longipetala bicornis* How to sell stock without a broker's license? Try poetic license. Such an ugly plant must have an evocative name so that gardeners will discover its hidden attributes. 15" Starlight, night-scented stock, is rather gangly with grey-green foliage, looks terrible during the day. But in late afternoon the small pastel pink and purple 4-petaled flowers emerge with a wonderful fragrance. Place carefully in full sun so that it is camouflaged by day and noticed at night. A "must have" for any gardener devoted to scent. About 69 days to bloom. "I was quite thrilled to see…[it]—the fragrance is truly lovely and I actually like the unusual tangled mass of foliage which holds the promise of late evening pleasure," enthused Olga Agarkov of Little Falls, NY. ② **A**=0.4g, 90¢ (~500 seeds), **B**=2g, $2.20, **C**=12g, $6.00 (1,250 seeds/g)

## SUNFLOWER *Helianthus annuus*

Sunflower remains have been found in the Tabasco region of Mexico dating from 4,100 B.C. Prized for their seeds by humans and birds, and for cutflowers by market growers, sunflowers also add a lighthearted touch to gardens. The Hopis decorated their hair with sunflowers during certain of their religious ceremonies. We found a new use for them in the 1915 Salzer catalog where a correspondent says, "Having tried turf, coal, wood and sunflowers, I have settled upon the last named as the cheapest and best fuel for treeless Dakota. I grow one acre of them every year, and have plenty of fuel for one stove the year round." He neglected to tell us how many cords that required.

Prechilling seed aids germination. Easy to grow. Start indoors 3-4 weeks before last frost at temperatures of 65-75° or direct sow after frost, 3 to a pocket. Thin to best plant, 1' or more apart. Rich friable soil yields tallest plants, drought stunts growth. Will readily self-sow; for some fun leave a few volunteers in strategic locations. For cutflowers harvest when the flowers are almost completely open.

**5401AO Autumn Beauty Mix OG** Our best-selling flower variety, a 6-8' multibranching beauty. Produces a lovely mixture of earthen shades, petal colors ranging from bright yellow to bronze and purples. Most have a characteristic red ring enclosing a black center. Blossoms 4-6" across are perfect as the center of giant flower arrangements. Has pollen. CCOF or QAI-certified. ②③ **A**=1g, $1.00 (~45 seeds), **B**=4g, $2.40, **C**=28g, $6.00, **D**=1lb, $28.00 (45 seeds/g)

**5402FT Fantasia** F-1 hybrid. Walt Disney's Fantasia, released in 1940, was the first full-length animated feature, a cartoon dramatization of eight pieces of classical music. It became popular during the psychedelic sixties. One of the ballets was the Waltz of the Flowers from Tchaikovsky's Nutcracker Suite. Fantasia the sunflower was not in that dance, but easily could have been had it existed at the time. It merits classic status itself, with stately 4-5' stalks bearing 4-8" perfectly round pollen-free flowers. The best of 16 varieties in CR's grow-out in 2003. He noted a perfect blossom which opened with the month of September and was at its most gorgeous on Sept. 8. It was 5" across, yellow-orange with a striking dark brown center. Actually, Fantasia is a formula blend with colors ranging from white to darkest red, with double and semi-double flowers. Let the lights dim and the fantasy begin. ③ **A**=0.5g, $1.00 (~11 seeds), **B**=2g, $3.00, **C**=10g, $10.00 (22 seeds/g)

**5403FL Florenza** In the 2003 sunflower trials at Common Ground Fair, Florenza caught more than one observer's eye. Stunning brown-centered 6" flowers in maroonish red with yellow tips and a hint of yellow behind the center. Mixes well with other sunflowers in a bouquet; makes the whole display "pop." 3½' tall. ③ **A**=0.5g, $1.20 (~20 seeds), **B**=2g, $3.00, **C**=8g, $8.00, **D**=24g, $18.00 (40 seeds/g)

**5404JK The Joker** If you're not playing with a full deck in your sunflower patch, consider adding this Joker, a bi-colored pollenless beauty with two rings of petals. Rated among the best sunflowers for cutting by horticulturalists at the University of Florida. An interior short yellow fringe radiates from the brown disk and resembles eyelashes, accentuating the big orangy-maroon outer petals which have yellow tips. Mottled red stalks grow 5-7' with multiple branching. Quick to bloom, only 59 days from an Apr. 28 sowing in Bernardston, MA. A good deal all around. While you're cutting them, don't forget to cut the deck. ③ **A**=0.5g, $1.00 (~11 seeds), **B**=2g, $3.00, **C**=6g, $7.00, **D**=1oz, $17.00 (22 seeds/g)

**5405LO Lemon Queen OG** Luxuriant 8" blooms with lemon yellow petals surrounding striking solid brown centers. Although it can grow up to 10' tall in rich soil, its powerful stems do not lodge. Likes high fertility; makes shorter stems and narrower petals in average soil. Not early; bloomed for Donna Dyrek in late August. QAI-certified. ② **A**=1g, 90¢ (~45 seeds), **B**=5g, $2.20, **C**=20g, $5.00, **D**=1lb, $52.00 (45 seeds/g)

**5409GS Mammoth Grey Stripe** A traditional variety of giant (6-12') single-stem sunflower with large seed heads. Beloved by birds and kids. ② **A**=28g, $1.00 (~250 seeds), **B**=84g, $2.50, **C**=336g, $7.00, **D**=1008g, $20.00 (9 seeds/g)

**5410MR Moulin Rouge** A favorite among commercial growers. 5-6' multibranching stems topped by gorgeous dark-red pollen-free 5-7" blossoms somewhat short-lived. Burgundy petals become almost black close to the disc. Stems are long enough for cutting. The Moulin Rouge was a nightclub in Paris where Toulouse-Lautrec created much of his work, using red-headed beauties as models. This sunflower would make a fine subject for such an exuberant artist. ③ **A**=0.5g, $1.20 (~11 seeds), **B**=2g, $3.00, **C**=10g, $9.00, **D**=40g, $30.00 (22 seeds/g)

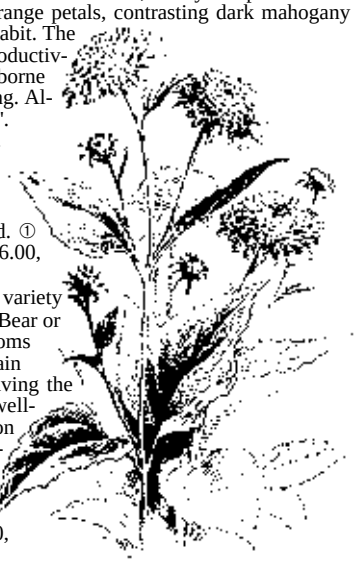
**5411PR Prado Red** Fleuroselect novelty winner. A star performer in Donna Dyrek's trials, specially bred in Holland for the cutflower trade, featuring long, long stems. Brown center disks are surrounded by small rich velvety maroon-red petals which extend the range of sunflower colors. Each 4' multibranching plant bears 15-18 long-lasting flowers that shed pollen sparingly. Plant alongside #**5436** Vanilla Ice for a striking contrast. ⑤ **A**=0.5g, $1.80 (~13 seeds), **B**=2g, $6.00, **C**=1oz, $42.00 (25 seeds/g)

**5412PG Prado Gold** Fleuroselect quality winner in 1993. Golden yellow twin to Prado Red except Gold's brown center has a green indentation at the bullseye. Like Prado Red, multibranching and early to bloom. Enjoy these in rich-hued bouquets. ⑤ **A**=0.5g, $1.80 (~15 seeds), **B**=2g, $6.00, **C**=1oz, $45.00 (30 seeds/g)

**5416SG Schnittgold** Contrast is the watchword for this handsome single-headed 5' sunflower. Its double ring surrounded by deep yellow petals makes a striking display. The center pollen ring is black and flat, surrounded by an auxiliary ring of brown. *Schnitt* means 'cut' in German; the variety makes a superb cutflower. Karen Pratt of Wilmington, VT, points out that Schnittgolds, when mature, get a hollow in the center—perfect for making the sunflower bird wreaths sold in pricey garden catalogs. 8-10" blooms. ③ **A**=1g, 90¢ (~25 seeds), **B**=3g, $2.20, **C**=12g, $6.00, **D**=120g, $30.00

**5421SO Selma Suns Mix OG** Trialer Donna Dyrek rates these her favorite sunflowers for their fragrance, beautiful diversity, and plethora of polyheading 6" blooms. Selma's heads have small dark centers, pointed petals, and display various hues and shades including yellows, golds, maroons and reds. Donna reports that Selma "flowers forever if the squirrels don't rip off the heads." 6-7' tall. MOFGA-certified. ① **A**=1g, 90¢ (~55 seeds), **B**=3g, $2.20, **C**=12g, $6.00, **D**=120g, $30.00

**Soraya** The first sunflower ever to win an AAS, Soraya impressed the judges with its luminescent deep orange petals, contrasting dark mahogany center disks, and sturdy branching habit. The latter accounts for its astonishing productivity, up to 25 4-6" blooms per plant, borne on stout 20" stems, perfect for cutting. Almost pollenless. 6' plant spreads 2-3'. Flowers in about 80 days from seed.



**5426SY Soraya** ③ **A**=0.5g, $1.50 (~30 seeds), **B**=4g, $5.50, **C**=1oz, $27.00 (60 seeds/g)

**5427YO Soraya OG** OT-certified. ① **A**=0.5g, $1.80 (~30 seeds), **B**=4g, $6.00, **C**=1oz, $28.00 (60 seeds/g)

**5430SD Sungold Dwarf** Danish variety much nicer than the original Teddy Bear or any of its imitators. Polyheaded blooms growing on very short stems (the main stalk is only 2') are fully double giving the fuzzy effect. Habit almost like a well-behaved dahlia. Drew much attention and many comments at our sunflower display at Common Ground Fair. Blooms hold well compared to other dwarf types. Has pollen. ③ **A**=1g, 80¢ (~50 seeds), **B**=3g, $2.00, **C**=12g, $5.00, **D**=1lb, $45.00

**Terra Cotta** Dropped for slow sales. *Not available in 2007.*

**5436VI Vanilla Ice** *H. debilis* This is the closest we have seen to a white-petaled sunflower. Though their true color is closer to cream or pale yellow than white, the petals make a great contrast to the rich dark disk in the center. Polyheaded and similar to the better-known Italian White, but a superior performer in our plots. 5' stalks, 3-4" blossoms. ③ **A**=0.2g, 90¢ (~45 seeds), **B**=0.6g, $2.20, **C**=2.4g, $5.00, **D**=24g, $20.00 (225 seeds/g)

**5439SS Sunflower Sampler** For those who wish to get in on the sunflower rage without spending a pile of jing, we'll mix seed for a half dozen or so varieties into one package. Create a lovely display for 90¢. No dwarfs or mammoths. ③ **A**=1g, 90¢, **B**=3g, $2.20, **C**=9g, $5.50, **D**=90g, $25.00. *Seed counts vary with varieties chosen.*

## SWEET PEA *Lathyrus odoratus*

For departure. Native to Sicily, first domesticated around 1699 when amateur botanist and monk Father Francis Cupani shipped seed for the variety that bears his name to a hothouse grower in England. Painted Lady, a rose- and white-tinted pink, was named in 1737. In the late 1800s extensive breeding work, especially by Henry Eckford, expanded the range of available colors. Around 1900 Silas Cole, gardener to the Earl and Countess Spencer, found a sport with much larger ruffled flowers but less scent than Eckford's varieties. It created a sensation when it was exhibited in 1901. From this variation derive all modern strains including Spencer, Cuthbertson, Knee-Hi and Mammoth.

Sweet peas were once wildly popular. Vick's sold ten tons of mixed sweet pea seed for 40¢ per lb in 1895, Maule offered the "80 best varieties" in 1904. In response to a revived interest in fragrance, Bodger Seeds Ltd. obtained as many of the pre-Spencer varieties as possible and created a mix in the 1970s called Old Spice. With gardeners again demanding fragrance in individual colors, Bodger has begun to offer the old strains individually and we are continuing to try them. Six major chemical components, none unique to sweet peas, and a dozen less significant ones, give sweet peas their fragrance.

Soak seeds for 12-24 hours prior to sowing. For earliest blooms, sow indoors 2 months before setting out, or sow direct in spring. Need darkness for germination which takes 10-21 days at 60°. Old catalogs recommended sowing in a 4-5" trench and filling in as the peas grew. Likes full sun and moist rich soil, but many perform poorly in heat, so mulching is recommended. If you are growing for cuts, avoid windy locations, as exposure will make plants stockier and stems shorter. Requires support. We use #**9075** Trellis Plus. Harvest flowers frequently to keep blooms coming. Last only 3 days in the vase, but perfume the air incomparably. About **12 seeds/g.** Perennial sweet pea is #**6296**.

**5440AM America** An antique striated variety, arresting both to eyes and nostrils. Each blossom contains subtle variations of bright reds with creamy white streakings. Heavily perfumed. Looks lovely next to Cupani. First offered in 1896 by Morse-Vaughan. Vines grow to 3'. ② **A**=2g, 80¢ (~24 seeds), **B**=8g, $2.00, **C**=24g, $5.00, **D**=120g, $14.00 (12 seeds/g)

**5441BK Black Knight** One of 115 varieties Eckford exhibited at the Crystal Palace in 1900, bred in 1898. Highly scented deep maroon flowers tolerant of heat. 5-6'. **BACK!** ② **A**=2g, 80¢ (~24 seeds), **B**=8g, $2.00, **C**=24g, $5.00, **D**=120g, $14.00 (12 seeds/g)

**5442CU Cupani** Oldest and most fragrant of all sweet peas. Celebrated its 300th birthday in 1998 amidst a surge of revived interest. Named for the Sicilian monk who found these bicolors growing wild, Cupani combines deep maroon-purple upper petals with deep blue lower petals. Grow Cupani for enticing intoxicating aroma. 5' vines. *Seed in short supply; order early!* ② **A**=2g, 80¢ (~24 seeds), *not available in larger sizes.*

**5448KH Knee High Mix** Semi-dwarf 20" bush-type plants need no support, produce full-length stems. ②③ **A**=7g, 80¢ (~78 seeds), **B**=28g, $2.20, **C**=84g, $5.50, **D**=1lb, $25.00 (11 seeds/g)

**5454MM Mammoth Mix** 4-6' staking variety. The best tall mix in our many gorgeous trials. Though temporarily slowed by heat waves, revives during each cool spell and never stops blooming from July to September. Long stems make ideal cutflowers. Mixture of crimson, scarlet, white, lavender, deep rose, medium blue and pink. The purples and reds are the most fragrant. Year after year the least finicky and most dependable performers in heat. ② **A**=7g, 80¢ (~85 seeds), **B**=21g, $2.20, **C**=63g, $5.50, **D**=1lb, $26.00 (12 seeds/g)

**5455MC Mrs. Collier** At last a white sweet pea with real fragrance! We thank Marilyn Barlow of Select Seeds in Union, CT, for bringing it to our attention. Even in a hot August the heavenly blooms lasted and exuded way more scent than the whites in the Mammoth mix. Introduced in 1907 by Dobbie & Company. 5-6'. ② **A**=2g, 80¢ (~24 seeds), **B**=8g, $2.00, **C**=24g, $5.00, **D**=4oz, $11.00 (12 seeds/g)

**Mixed Streamers** Crop failure, *not available in 2007.*

## TITHONIA *T. rotundifolia*

Also known as Mexican Sunflower. Attract butterflies with these tall floriferous beauties. The dressy blooms often exceed 4" across and continue over a long season. Heat-loving plant closely related to the Zinnia. Sow outdoors after danger of frost in 70-85° soil, or start indoors 6 weeks before last frost date. Tithonia sulks in the cold so don't bring it out too soon.

**5459GF Goldfinger** 4' tall with bright orange 3-4" blooms. Upright and uniform habit, but more dwarf than Torch. Lloyd and Rice call it "horrible" and "short-jointed," but they must have put it in wimpy soil. Maybe they just saw too many James Bond movies! It *is* shorter than Torch, but has charm. ② **A**=0.2g, 90¢ (~20 seeds), **B**=0.6g, $2.20, **C**=1.8g, $5.00 (100 seeds/g)

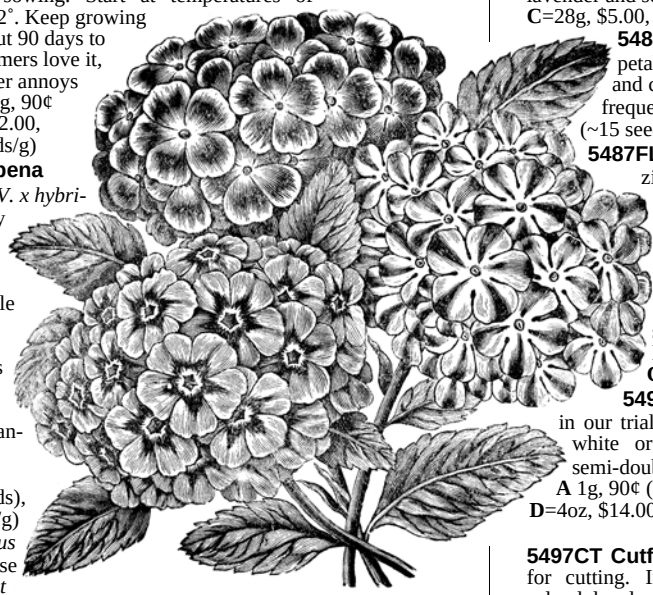
**5460TH Torch** Stately 6' plants with velvety dark green leaves bear scarlet-orange 4-5" blooms which hummingbirds and monarch butterflies find extremely attractive. My fondness for this showy flower is shared by our customers. 1951 AAS.② **A**=0.2g, 80¢ (~20 seeds), **B**=0.6g, $2.00, **C**=7.2g, $5.00, **D**=28.8g, $12.00 (100 seeds/g)

"England called. They want their grams back."
—Jack/Karen Manix, E. Dummerston, VT

| Weight equivalents | | |
|---|---|---|
| 1 gram = | .035 oz | |
| 2 grams = | .070 oz | |
| 3 grams = | .106 oz | |
| 4 grams = | .141 oz | |
| 7 grams = | .247 oz | |
| 10 grams = | .355 oz | |
| 14 grams = | .494 oz | |
| 15 grams = | .528 oz | |
| 20 grams = | .710 oz | |
| 28 grams = | .987 oz | |
| 100 grams = | 3.53 oz | or .220 lb |
| 112 grams = | 3.95 oz | or .247 lb |
| 225 grams = | 7.93 oz | or .496 lb |
| 340 grams = | 11.99 oz | or .750 lb |

**5461ZP Zulu Prince Venidium** *V. fastuosum* Also known as Namaqualand Daisy or Monarch of the Veldt. (Namaqualand is in southwest Africa.) Daisy-like flowers close up in dreary weather, but will open in ten minutes if cut and brought indoors. Christopher Lloyd says their large center disks "shine black like a healthy dog's nose." Glorious creamy-white 4" flowers have vivid black centers. With multibranching habit and deep-cut fuzzy leaves, Venidium sprawls 2½' and needs a dry sunny location to remain upright. Intolerant of wet feet, keels over when saturated. Start indoors, transplant out after danger of frost. Keep deadheaded for long bloom production. Space at least 2' apart. ② **A**=0.1g, 90¢ (~250 seeds), **B**=0.3g, $2.00, **C**=1.2g, $5.00 (2,500 seeds/g)

**5463PV Purple Top Verbena** *V. bonariensis* I fell in love with this free-flowering verbena at first glance. Don't confuse it with the hybrid dwarf bedding plant (which is available at #**5464**). Proud strong 3-4' stems almost without leaves covered with vibrant purple flowers which thrive in heat and bloom from July to October. Makes an ideal cutflower and mingles beautifully with other tall border plants. Attracts butterflies. Extremely drought-resistant. Erratic germination may be helped by 3-5 weeks' stratification prior to sowing. Start at temperatures of 70-75˚, grow on at 55-62˚. Keep growing medium fairly dry. About 90 days to flower. Cutflower customers love it, but its tendency to shatter annoys some growers. ② **A**=0.1g, 90¢ (~400 seeds), **B**=0.4g, $2.00, **C**=2g, $5.00 (4,000 seeds/g)



**5464NB Novalis Verbena Deep Blue with Eye** *V. x hybrida* For sensibility. Starry flower clusters cover this 6-10" free-flowering bedding plant whose long-lasting purple blooms with white star-like centers make a vibrant border. Chill seeds 5-7 days in refrigerator before sowing. Start indoors, transplant after danger of frost. Tolerates drought. 1989 AAS. ③ **A**=0.2g, $2.00 (~70 seeds), **B**=1g, $6.00 (350 seeds/g)

**Wallflower** *Cheiranthus allionii* Dropped because sales were so slow. *Not available in 2007.*

## ZINNIA *Z. elegans*

Thoughts of absent friends. These showy annuals were named for German botany professor Johann Gottfried Zinn (1727-1759). One of the easiest to grow from seed, and a favorite for bright color in Maine summers. Zinnia flower essence is used to bring out playfulness and lightheartedness. Cut when flowers are almost fully mature, just before pollen starts to form. Deadhead to continue production. Sow in a sunny spot after last frost, or start indoors for earlier blooms. Germinates 3-5 days at 80-85˚, more slowly at cooler temperatures. Grow on at 70˚ days, 60-65˚ at night. Temperatures below 60 delay flowering and may induce chlorosis. Space at 9-12". *Growing for Market* in their Sept 2003 issue had an excellent article on post-harvest treatment of zinnias for cutflowers.

**Benary's Giants** Formerly called 'Blue Point'. A most elegant giant dahlia-flowered zinnia. The densely petaled double flowers regularly exceed 4" across, showy yet extremely refined, borne on long stems perfect for cutting. Highlighted by the uniform petal patterns, colors are particularly bright from yellow, orange and white to scarlet, rose-pink and magenta. Will hold better than most even under the stress of high heat and rainfall and be absolutely breathtaking in ideal conditions. 3-3½' plants. The zinnia of choice for market growers; on a par with State Fair Mix for home gardeners. Highly recommended by Lynn Byczynski in *The Flower Farmer* and a favorite with our customers who have made it our best-selling flower variety in the larger sizes. Because of its popularity, we are offering three individual colors in addition to the mix.

**5465BC Benary's Giants Crimson NEW!** ③ **A**=0.5g, $1.10 (~60 seeds), **B**=1.5g, $2.20, **C**=9g, $5.50, **D**=45g, $24.00

**5466BY Benary's Giants Golden Yellow NEW!** ③ **A**=0.5g, $1.10 (~60 seeds), **B**=1.5g, $2.20, **C**=9g, $5.50, **D**=45g, $24.00

**5467BP Benary's Giants Purple NEW!** ③ **A**=0.5g, $1.10 (~60 seeds), **B**=1.5g, $2.20, **C**=9g, $5.50, **D**=45g, $24.00

**5468BM Benary's Giants Mix** ③ **A**=0.5g, $1.10 (~60 seeds), **B**=1.5g, $2.20, **C**=9g, $5.50, **D**=45g, $24.00 (120 seeds/g)

**5470CJ Cactus Bright Jewel Mix** Large ruffled blossoms resemble chrysanthemums. Profuse immense blooms in scarlet, orange, pink, yellow. Full sun. 3'. ② **A**=1g, 80¢ (~110 seeds), **B**=7g, $2.00, **C**=28g, $5.00, **D**=4oz, $10.00 (110 seeds/g)

**5474GM Gold Medal Mix** A formula blend of cherry, orange, pink, purple, scarlet, white and yellow dahlia-flowered blossoms 4-5" across excellent for cutting. Flowers are flat-petaled, semi-double on 3½' plants. Bred by Bodger. ② **A**=1g, 80¢ (~105 seeds), **B**=7g, $2.00, **C**=28g, $5.00, **D**=4oz, $10.00 (105 seeds/g)

**5478PC Persian Carpet** *Z. haageana* These variegated fully double and semi-double 2" flowers borne on 1' stalks hold a long time. They have maroon centers, with white, yellow or gold on the outside. This Mexican Zinnia is smaller and less gaudy than our other zinnias and very pleasing in bouquets. 1952 AAS. Resists powdery mildew, allowing clean cut flowers through October even in the Pacific Northwest. ② **A**=0.5g, 90¢ (~385 seeds), **B**=5g, $2.20, **C**=20g, $5.50 (770 seeds/g)

**5482PM Pumila Mix** (Cut & Come Again) Small 2' plants with flowers 2½-3" across. Wide range of colors includes orange, yellow, white, pink, lavender and scarlet. ② **A**=1g, 80¢ (~175 seeds), **B**=7g, $2.00, **C**=28g, $5.00, **D**=4oz, $10.00 (175 seeds/g)

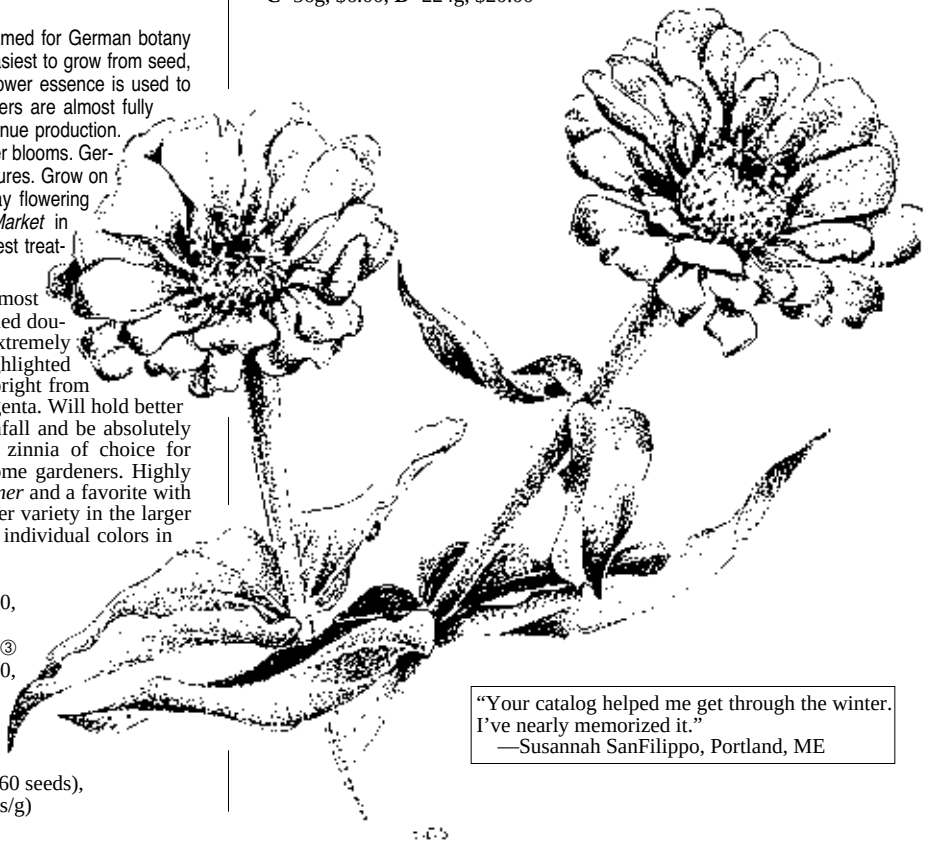
**5484RF Ruffles Mix** F-1 hybrid. Bred for bouquets. Flat-petaled, double to semi-double flowers in yellow, scarlet, pink and cherry on long stems. Very refined. Free blooming, respond to frequent cutting. Form an elegant hedge, 24-30". ② **A**=0.15g, $2.00 (~15 seeds), **B**=0.6g, $6.00, **C**=6g, $40.00 (105 seeds/g)

**5487FL Scarlet Flame** Even Gene, who doesn't like gaudy zinnias, was attracted to Scarlet Flame's elegant bright scarlet blooms. 3' stems. Predates 1934. ② **A**=1g, 90¢ (~110 seeds), **B**=7g, $2.20, **C**=28g, $6.00, **D**=4oz, $18.00 (110 seeds/g)

**5491SF State Fair Mix** Old-fashioned variety bears a rich array of huge single and double blooms on 30" plants. The blooms are much showier than those in the Gold Medal Mix. Catalog editor Susan Kiralis loves their intense fully saturated colors which include red, magenta, purple, orange, lavender and pink. ② **A**=0.5g, 90¢ (~40 seeds), **B**=2g, $2.20, **C**=12g, $6.00, **D**=4oz, $18.00 (80 seeds/g)

**5493SW Swirls** These zinnias wowed everyone who saw them in our trials with their slightly fluorescent bicolor blooms of rose and white or red and yellow. The 4" flowers are fully double to semi-double with slightly ruffled flat petals borne on 2' stems. ② **A** 1g, 90¢ (~190 seeds), **B**=7g, $2.20, **C**=28g, $6.00, **D**=4oz, $14.00 (190 seeds/g).

**5497CT Cutflower Mix** A mixture of annual flowers which can be used for cutting. Includes popular types such as aster, bachelor's button, calendula; also some lesser-known kinds. **A**=1g, $1.00, **B**=14g, $2.20, **C**=56g, $6.00, **D**=224g, $20.00



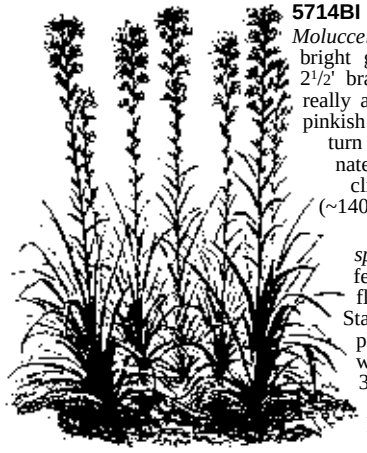
"Your catalog helped me get through the winter. I've nearly memorized it."
—Susannah SanFilippo, Portland, ME

# EVERLASTINGS

Seeds per packet for flowers are approximate. They are intended as guides, not guarantees, because we pack by weight, not by count. Flowers are arranged here by common name except where the botanical name is more familiar. **See chart on pp. 68-69 for uses and cultural information. A botanical index appears on p. 98.** Annuals except where noted.

**5705PL The Pearl Achillea** *A. ptarmica* Its common name Sneezewort would lead one to believe that the flowers induce excessive sneezing. Actually it is less allergenic than yarrow. Hardy perennial bears clusters of fully double small white pompon blooms with small yellow centers, almost like a large double Baby's Breath. Easily cultivated, spreads readily and makes an effective "wild" border. Supplies copious cutflowers from spring until frost, enjoyable either fresh or dried. Dry slowly before the oldest blooms start to brown. Zones 3-10. 2'-3. ③ **A**=0.05g, 90¢ (~175 seeds), **B**=0.15g, $2.20, **C**=0.6g, $5.00 (3500 seeds/g)

**5710AC Acroclinium** *Helipterum roseum* Also known as Sunrays. Daisy-like flower which may be used fresh as cutflower. Pick in bud stage; will open as it dries. White, rose and pink shades. Start in cool place 2 months prior to setting outdoors, or sow direct outdoors after frost. 2'. ② **A**=0.2g, 90¢ (~80 seeds), **B**=0.6g, $2.20, **C**=2.4g, $5.00 (400 seeds/g)



**5714BI Bells of Ireland** *Moluccella laevis* Sets spikes of bright green bell-shaped "flowers" atop 2½' branching stems. Each green bell is really a showy inflated calyx with a tiny pinkish flower inside. When dried, bells turn creamy white. Needs light to germinate. Likes partial shade; thrives in cool climates. Will self sow. ② **A**=1g, 90¢ (~140 seeds), **B**=3g, $2.20, **C**=15g, $5.00

**5716BS Blazing Stars** *Liatris spicata* Perennial also known as Gayfeather. 18" spikes of rosy purple flowers for cutflowers or drying. Start indoors in late winter in cool place and set out in spring in 6-8 weeks or direct seed in spring. Takes 3-4 weeks to germinate. Harvest the stems in the morning when at least half the flowers are open. Zones 3-9. ② **A**=1g, $1.00 (~330 seeds), **B**=5g, $2.50, **C**=15g, $7.00

**5720BU Green Gold Bupleurum** *B. griffithii* Although not well known except in Dutch flower auctions where it commands a price similar to roses, this unique plant with yellowish flowers and round leaves is gaining attention from dried flower growers. Its well-branched 2' stems air-dry perfectly, retaining their green color and looking like they had been dried in glycerine. Moreover, because each stem fans out, an individual stem provides backdrop for an entire arrangement, either fresh or dried. Start indoors early to reach full growth potential. Will self sow in warmer areas. ③ **A**=0.2g, 90¢ (~64 seeds), **B**=0.6g, $2.20, **C**=6g, $5.00, **D**=30g, $15.00 (320 seeds/g)

## CELOSIA *C. argentea*

From the Greek *keleos*, "blazing," a reference to their brilliance. From the Southern Hemisphere, at their best in hot dry weather. Commonly appear in three groups, *cristata* (crested, fancifully known as brains), *plumosa* (plumed) and *spicata* (with spikes or pointed). All share blazing colors, furry textures and eccentric shapes. Should germinate within 10 days at 72-80˚.

**5725CR Cramer's Amazon** *C. a. spicata* A truly wild thing from seed originally gathered near the Amazon in Peru. Makes a great landscape plant, shooting a 3-6' spire punctuated by 2-3" reddish-purple spikes. Its coleus-colored leaves, green splashed with purple, heighten its dramatic effect. Blooms hold up better than other spicatas as a dried flower if cut while the spikes are still short. As the blossoms age they turn white on the bottom. Amazing long red stems and spectacular spikes make this a perfect cutflower. Requires a long season. Start inside eight weeks before frost and transplant into warm ground. Pinch at 12" to encourage branching. ② **A**=0.2g, $2.00 (~50 seeds), **B**=1g, $6.00, **C**=4g, $15.00 (250 seeds/g)

**5726PC Pink Candle Wheat Celosia** *C. a. spicata.* An improved wheat celosia that is more adaptable to growing in northern climes than other wheat-types. Like melons, it requires a little extra attention for success. Start indoors early, transplant before flowering without permitting shock, and use row covers outdoors. Its shining rose-pink soft spikes on long strong stems are worth the extra fuss. They hold up well as cutflowers and dry beautifully. The 3' clumps are lovely as a vertical pink accent for late season displays. Colors, which lighten during summer's heat, intensify in the cooler temperatures of fall. ⑤ **A**=0.1g, $1.00 (~85 seeds), **B**=0.5g, $2.50, **C**=2g, $7.00 (850 seeds/g)

**5730CG Coral Gardens Cockscomb** *C. a. cristata* Known as *ji quan ha* in China where both seeds and flowers are used for blood diseases, bleeding and urinary tract infections. An extra-dwarf brain-type growing fairly large flowers on compact 10" plants. Blooms display a rich mix of red, crimson, rose, orange and gold with an almost neon glow. *Includes some spectacular giant brain off-types of all colors.* Be prepared when people approach your annuals and ask, "Do you have any brains?" Sow indoors in peat pots 4 weeks before last frost. Too-early seeding and cold temperatures can cause premature flowering. Seedlings sensitive to both drying out and damping off; apply even moisture. Pinch early heads to induce branching. ② **A**=0.5g, 90¢ (~600 seeds), **B**=3g, $2.20, **C**=15g, $5.00 (1,200 seeds/g)

**5731MS Madras Scarlet Cockscomb** *C. a. cristata* Brains on fire! Stands 18" setting huge beautiful amazingly bright red cockscombs that last forever and dry nicely. The first blooms were really early, in mid July. "Then they just got bigger and more beautiful until they were almost iridescent," reported Donna Dyrek. "Cool for a cockscomb," she concludes. **NEW!** ③ **A**=0.01g, $2.50 (~20 seeds), **B**=0.03g, $7.00, **C**=0.15g, $30.00 (2,000 seeds/g)

**5732FF Forest Fire Cockscomb** *C. a. plumosa* Plume-type celosia or Feather Amaranth shows bright scarlet flowers, with strikingly beautiful bronze-red foliage. 30-36". ② **A**=0.2g, 90¢ (~300 seeds), **B**=3g, $2.20, **C**=12g, $5.00 (1,500 seeds/g)

**5733IC Ice Cream Cockscomb** *C. a. plumosa* The creators of this plume-type imagined a feathery bouquet of fruity colors when they named each of its shades for luscious fruits like mango, peach, and cherry. The clear colors look more like sherbet than ice cream to me. Yellow, pink, cream, oranges and reds adorn the 8" plumes. Bloomed mid-July from a May 10 start. Too short for cutting. **NEW!** ③ **A**=0.01g, $1.00 (~20 seeds), **B**=0.03g, $2.50, **C**=0.15g, $9.00 (2,000 seeds/g)

**5736CL Chinese Lantern** *Physalis alkekengi. Physalis* is Greek for bladder, referring to the husks. Perennial grown for its deep orange "lanterns," the calyx which surrounds the red fruit. May be sown indoors in warm place. Likes full sun. Dig out every three years to prevent invasion. Zones 3-10. ② **A**=1g, $1.00 (~600 seeds), **B**=3g, $2.50, **C**=9g, $6.00 (600 seeds/g)

## GLOBE AMARANTH *Gomphrena globosa*

For immortality, unfading love. Easily grown in any soil, likes hot sun, blooms prolifically. Tolerates dry weather and some frost. Beautiful round clover-like 1" flowers on 2' stems perfect for drying. Also enjoyable as bedding plant. Chill seed 4-6 weeks at 40˚, then start indoors at 60-70˚ for best germination. Germination is erratic; can take from 7-30 days. Grow on at 55-60˚. Do not overwater. Transplant in 8-12 weeks, spacing at 12-18".

**5742GA Orange** Large reddish-orange blossoms with a hint of yellow undertone, well suited for fall arrangements. Growers will prize its long strong stems and vivid colors. 18". ② **A**=0.1g, $1.00 (~20 seeds), **B**=0.4g, $2.20, **C**=1.2g, $5.00 (200 seeds/g)

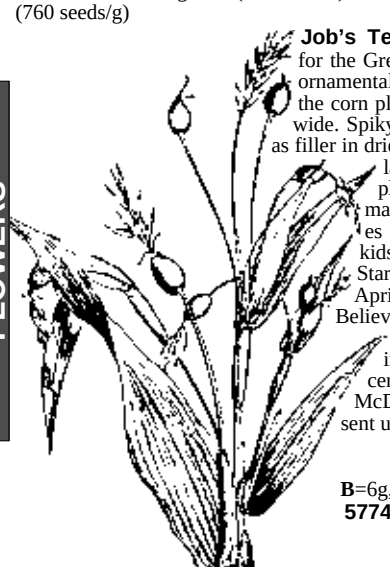
**5746PG Purple** Bright purple, almost fuchsia. ② **A**=0.1g, $1.00 (~25 seeds), **B**=0.4g, $2.20, **C**=1.2g, $5.00 (250 seeds/g)

**5750QG QIS Red** Vibrant strawberry-red profuse blooms. QIS stands for Quality In Seed. Enormously popular with commercial growers. ③ **A**=0.1g, $1.20 (~20 seeds), **B**=0.4g, $2.50, **C**=1.2g, $7.00 (197 seeds/g)

**5754MG Mix** Shades of purple, rose, lavender and white. ③ **A**=0.2g, 90¢ (~178 seeds), **B**=0.8g, $2.20, **C**=3.2g, $5.00 (892 seeds/g)

**5762HY Honesty** *Lunaria annua* Also known as Silver Dollar, Money-plant, and Moonwort. Honesty is hard to find among our public figures. It is easy to find in our catalog; however, we haven't been selling a whole lot of it. May not even be able to give it away these days. Our Honesty is a winter-hardy biennial with fragrant lavender flowers usually grown for its large coin-shaped silver seed pods which shimmer in winter bouquets. Sow indoors in a 65-70˚ spot, grow on at 60˚ at night before setting out to a sunny location, or direct sow spring or fall. 3'. ③ **A**=1g, 90¢ (~50 seeds), **B**=14g, $2.20, **C**=42g, $5.00 (50 seeds/g)

**5770MM Immortelle Mix** *Xeranthemum annuum* For cheerfulness. Papery daisy-like flowers 1½" across in a wide range of colors; also a nice cutflower, grows to 3'. Grown easily from seed, or can be started early indoors. ② **A**=0.25g, 90¢ (~190 seeds), **B**=1.5g, $2.00, **C**=6g, $5.00 (760 seeds/g)



**Job's Tears** *Coix lacryma-jobi* Named for the Greek *coix* which means palm, this ornamental grass more closely resembles the corn plant with blades as much as 1½" wide. Spiky 2-3' stalks good for planters or as filler in dried fall arrangements. Sets pendulant sprays of globular pearly purple-grey seeds, the tears, which may be strung as beads for necklaces and rosaries. A great favorite of kids who love to harvest the seeds. Start indoors in late March or early April. Forgiving and easy to grow. Believed to be one of the oldest grasses in cultivation, has been featured in seed catalogs for almost two centuries. Our thanks to Alicia McDonald of Whately, MA, who sent us seed.

**5773JT Job's Tears** ③ **A**=2g, $1.00 (~10 seeds), **B**=6g, $2.50, **C**=24g, $8.00 (5 seeds/g)

**5774JO Job's Tears OG** MOFGA-certified. ① **A**=2g, $1.10, **B**=6g, $2.80, **C**=24g, $9.00

## LOVE-IN-A-MIST *Nigella spp.*

Germinates 10-14 days at 60˚. Grow on at 60-65˚. Set transplants 6-9" apart.

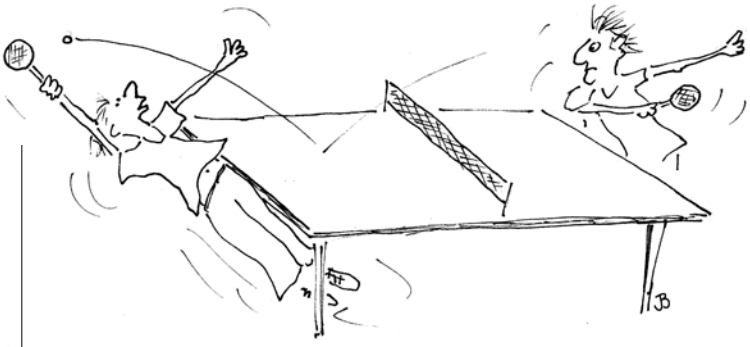
**5782PJ Persian Jewels Mix** *N. damascena* For perplexity. Profuse blooms in pink, blue and white shades surrounded by a cloud of greenery make lovely bouquets. Seed heads are used dried and are especially nice with a little bit of the flower attached. Direct seed as soon as ground can be worked, or sow indoors in a cool spot 2 months prior to setting out. Plant in full sun. 18". ② **A**=0.4g, 90¢ (~160 seeds), **B**=2g, $2.20, **C**=14g, $5.00 (400 seeds/g)

**5790EX Exotic** *N. hispanica* The velvetleaf is a farmer's bane, a pernicious weed, but bears wonderful starry seed pods. Exotic's golden brown pods are similar to velvetleaf's with a more spidery appearance that will add interest and volume to any dried arrangment. Unlike velvetleaf, this annual won't be a nuisance in the field. Doubles as a cutflower with open form, striking maroon stamens and an arresting shade of deep blue, almost purple. Atop 16" stems, the blossoms hold longer in a bouquet than other Love-in-a-Mists. Likes full sun or light shade. ③ **A**=0.1g, $1.20 (~90 seeds), **B**=0.4g, $3.00, **C**=2g, $8.00 (900 seeds/g)

**5799PE Pearly Everlasting** *Anaphalis margaritacea* You may have seen these before: blooming from midsummer to fall in the full sun or partial shade along the edge of a field. Big clusters of ½" white papery flowers on 18-24" plants live up to their name and hold their pure white color without turning brown when dried. Best picked for drying before the yellow centers are visible in order to prevent an unattractive exploded look. Also use fresh in bouquets or leave outdoors to attract pollinators. Good for naturalizing in evenly moist soil but will tolerate drought. Known by the Passamaquoddy as "women's tobacco" because it is milder than Red Willow, and used for calming the mind, for headache and insomnia, and as a smudge or an offering. Fluffy seed still contains chaff. Direct sow after last frost so that plants are 18-24" apart. Zones 3-8. **NEW!** ② **A**=1g, $1.00 (~18,000 seeds), **B**=3g, $2.50, **C**=12g, $6.00 (18,000 seeds/g)

**5804TS Tricolor Salvia** *S. viridis* Also known as painted sage. This prolific little beauty is splendid as a dried flower or as a filler in fresh arrangements. Although its leaves are entirely green, its name comes from its white and blue flowers set off by large pink-to-purple bracts. Easily air-dried, it will remain very colorful, flowering until frost if old blooms are removed. 18" stalks. Needs well-drained soil. ② **A**=0.5g, 90¢ (~175 seeds), **B**=2g, $2.20, **C**=6g, $5.00 (350 seeds/g)

**5810PP Ping Pong Starflower** *Scabiosa stellata* Also called Mourning Bride. Small white flowers mature to ball-shaped many-faceted seed heads. Each facet has a delicate maroon star embossed on its center. We will be dropping unless sales improve. 2' annual. ② **A**=0.4g, 90¢ (~55 seeds), **B**=2g, $2.20, **C**=6g, $5.00 (140 seeds/g)



## STATICE *Limonium sinuatum*

Faithful standby in everlasting bouquets; also good in fresh arrangements. Annual reaches 2-2½' on stiff winged bright green stems. Flowers may be gathered for drying many times throughout summer. Germinates in 5-14 days at 70˚. Some light should reach the seed. Vernalize seedlings at 50-55˚ until they reach the 5-leaf stage, then increase temperatures to 60-70˚. Grow in full sun. Tolerant of dry conditions. Seed is rubbed for easier germination. **300 seeds/g.**

**5816TA Turbo Apricot** The Turbo series is known for its early flowering habit and long stems. It is better adapted to northeast growing conditions than the strain we formerly sold. ② **A**=0.2g, $1.10 (~60 seeds), **B**=1g, $3.00, **C**=4g, $8.00 (296 seeds/g)

**Turbo Blue** *Not available in 2007.*

**5824LS Lavender** ③ **A**=0.2g, 90¢ (~60 seeds), **B**=1g, $2.20, **C**=4g, $5.00 (300 seeds/g)

**5828RB Rose Beauty** Red. ② **A**=0.2g, 90¢ (~60 seeds), **B**=1g, $2.20, **C**=4g, $5.00 (300 seeds/g)

**5832TP Turbo Purple** Replaced Purple Monarch. ② **A**=0.2g, $1.10 (~60 seeds), **B**=1g, $3.00, **C**=4g, $8.00 (296 seeds/g)

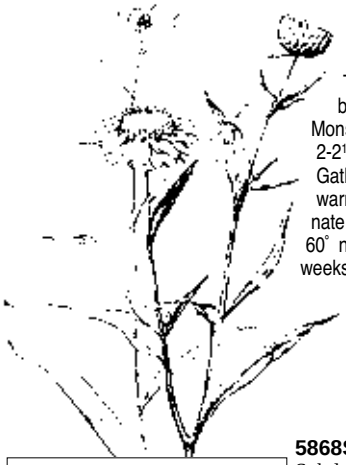
**5836TW Turbo White** ② **A**=0.2g, $1.10 (~60 seeds), **B**=1g, $3.00, **C**=4g, $8.00 (296 seeds/g)

**5842MS Mixed Colors** ② **A**=0.4g, 90¢ (~115 seeds), **B**=2g, $2.20, **C**=6g, $5.00, **D**=30g, $15.00 (288 seeds/g)

**5848GS German Statice** *Goniolimon tataricum* Large silvery-white flower heads for drying. Germinates in 12-21 days at 70-72˚, then grow on 4 to 6 weeks at 55-60˚. Set out in early spring using 1-2' spacing, or direct seed early spring or late fall. Likes heat and good drainage. Perennial, 20". Clean seed. ② **A**=0.05g, $1.00 (~50 seeds), **B**=0.2g, $2.50, **C**=1g, $5.00 (1,000 seeds/g)

**5852RS Russian Statice** *Psylliostachys suworowii* Long graceful narrow cylindrical branched spikes are totally covered with bright rosy-pink flowers. Staffer Anne Hallee likens their branching arms to the shape of a miniature saguaro cactus and appreciates their easy drying and good color retention. Harvest in full flower and hang upside down with leaves remaining. Annual reaches 18". A poor germinator. Originally from Turkestan. ③ **A**=0.2g, $1.00 (~1,280 seeds), **B**=0.6g, $2.50, **C**=1.8g, $5.00 (6,400 seeds/g)

"Your offerings are great for my short-season area and your catalog is a delight to read. As a garden writer and nurseryman, I appreciate all this even more than I would as an ordinary hortiholic."
—Rand B. Lee



## STRAWFLOWER
*Helichrysum bracteatum*

The freeblooming strawflower is good for border color as well as for drying. Monstrosum varieties grow 30-40" tall, have 2-2½" fully double flowers. Grow in full sun. Gather blossoms before fully opened. Like warm weather but will bloom into fall. Germinate at 70-75˚, grow on at 65-70˚ days and 60˚ nights. Do not overwater. Transplant in 6 weeks at 12" spacing. **1,400 seeds/g** unless otherwise noted.

**5864FB Monstrosum Fire Ball** Bright red. "Love Fire Ball strawflower. Stunning. Now that we have seen it we can't live without it." ② **A**=0.2g, 90¢ (~260 seeds), **B**=1g, $2.20, **C**=5g, $5.00

Worth 1000 words? We have color photos of some flowers and ornamental varieties on our website. Check them out at **www.fedcoseeds.com**.

**5868SR Monstrosum Silvery Rose** Subtle bicolor with pink center petals surrounded by silvery white. Borne on well-branched plants that start producing 3½-4 months after indoor seeding. ② **A**=0.2g, $1.00 (~260 seeds), **B**=1g, $3.00, **C**=10g, $8.00

**5872MX Monstrosum Mix** Hot pink, light pink, white, gold and deep rose. ② **A**=0.33g, 90¢ (~525 seeds), **B**=7g, $2.20, **C**=28g, $5.50 (1,587 seeds/g)

**5876BK Bikini Mix** These bikinis bear bright pink, red, white, yellow and gold double flowers on dwarf 14-18" plants in just 12 weeks. Several commercial arrangers we know prefer them to the taller strawflowers. ③ **A**=0.1g, $1.00 (~130 seeds), **B**=0.8g, $2.50, **C**=3.2g, $5.00 (1,300 seeds/g)

**5884AO Sweet Annie OG** *Artemisia annua* Also known as Sweet Wormwood. We associate its pungent fragrance with the Common Ground Fair where so many vendors offer it and where we sell more seed than for any other item. Jason Kafka alone brings 400 plants to the Fair Farmers' Market. Annie grows up to 5', with light green leaves valued for everlasting wreaths which emit their distinctive redolence all winter. Used in China, where it's known as *qing hao*, as an antimalarial and antimicrobial. It will reseed itself vigorously. Seed must be frozen for 2 days, then germinated in light. WA-certified. ① **A**=0.2g, $1.20 (~50 seeds), **B**=0.6g, $3.00, **C**=4.8g, $7.00, **D**=24g, $30.00 (250 seeds/g)

**5890WE Grandiflora White Winged Everlasting** *Ammobium alatum* Stiff wiry upright bright green winged stems bear white buttons about the size of a dime with bright yellow centers. Clustered flowers have reflexed silvery bacts. Harvest daily to stimulate more blooms. Sow indoors 8 to 10 weeks before setting outdoors in sunny location. 24". ③ **A**=0.5g, $1.00 (~1,050 seeds), **B**=2g, $2.20, **C**=6g, $5.50 (2,100 seeds/g)

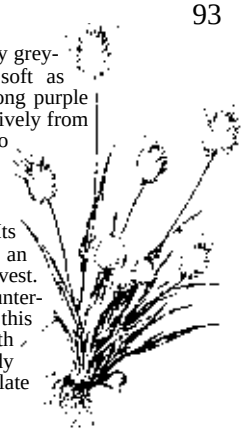
## GRAINS & GRASSES

To quote the *Avant Gardener*, Nov. 2005, "When frosts end the bright flowers of earlier seasons, ornamental grasses take on a more prominent role. The best of them glow in the special light of autumn, and their inflorescences become one of the most striking features of the garden." Choose these decorative annuals for their differing forms as well as for their colors. The intricate designs of their seed heads make great accents.

**Sheba Barley OG** *Hordeum vulgare* We regret crop failure. *Not available this year.*

**5930BR Red Broom Corn** *Sorghum vulgare* (105 days) Not a true corn, but a sorghum, broom corn looks and grows like corn but develops no ears, instead producing a tall spray of seed heads at the top of the plant in lieu of a tassel. These 2-3' sprays are laden with shiny red ⅛" seeds which birds love. Incorporate seeds into edible bird feeder wreaths or leave sprays intact to add variety to traditional fall decorations, or comb seeds out of the dry stalks and tie the seedless heads together to make straw brooms. Broom corn is the source of our natural straw broom. Stalks, generally 7-9', will grow up to 10' in an optimal season. ① **A**=4g, 90¢ (~190 seeds), **B**=12g, $2.20, **C**=36g, $5.00, **D**=180g, $15.00 (48 seeds/g)

**5940CP Calico Popcorn** *Zea mays* (105 days) An heirloom dual-purpose corn with 5-8" ears that look like smaller versions of Indian corn. The shiny bright ears come in an array of colors, with red, yellow and calico most common, but brown, purple, blue, white and other combinations possible. Kernels are smaller than those of most Indian corns, but larger than conventional popcorns. Calico is both decorative and edible so you can hang it on your door in fall and pop the very same batch on Thanksgiving. Seed grown by the Biseks in Minnesota. ① **A**=28g, $1.30 (~195 seeds), **B**=84g, $3.40 (7 seeds/g)



**5950HT Hare's Tail** *Lagurus ovatus* Soft fuzzy grey-green to white dense conical heads feel as soft as rabbit's fur and are accentuated by very fine long purple hairs (plumose awn points) that protrude decoratively from the fur. Easy to air-dry; make a great addition to everlasting arrangements. 1' stems. ② **A**=0.1g, 90¢ (~200 seeds), **B**=0.5g, $2.20, **C**=2g, $5.00 (2,000 seeds/g)

**5958FX Foxtail Millet** *Setaria macrocheata* Its graceful 3-6" golden seed heads bobbing on an August breeze attract attention even before harvest. After harvest, Foxtail Millet makes a striking counterpoint in floral displays. Customers ask for this specific strain because its heads, covered with golden-russet hairs, are softer and look less seedy than other types. Plant in June, harvest mid to late August. ② **A**=1g, 90¢ (~450 seeds), **B**=4g, $2.20, **C**=28g, $5.00

**5960PM Purple Majesty Millet** *Pennisetum glaucum* Bursting onto the scene with a 2003 AAS award, this millet accelerated the trend toward grasses in ornamental arrangements. A distinguished 3-5' tall background plant with deep-purple, almost black, corn-like foliage and purple seed spikes nearly a foot tall and an inch around. The immature plumes, looking like purple cattails, can be used in arrangements or left on the plant to mature seed that will attract birds. Tolerates hot dry weather, likes sun and can be cultured like sunflowers. Pamela and Frank Arnosky, who write the Specialty Cutflower column in *Growing for Market*, report that it was a sensation at markets. However, they caution that some cuts left in their packing shed for a few days turned solid yellow with pollen that had an odor like burnt antifreeze. They advise cutting the spikes immature, just as they emerge from the last leaf, to circumvent the pollen. As for the smell, they concluded they could put up with it. "Smells like money." With all the hype, the seed is exorbitantly expensive. We've had to restrict our packets to about five seeds to keep our price within reason. ⑤ **A**=0.05g, $2.00, **B**=0.2g, $6.00, **C**=0.6g, $16.00, **D**=1.8g, $45.00 (116 seeds/g)

**5962TO Terra Hulless Oats OG** *Avena nuda* Will Bonsall calls this the best of the naked oats, the one to grow to eat. At 100 days it is probably the earliest as well as the highest yielding with the largest seed. This high protein grain with pleasing flavor is easier to thresh than most other oats, though it still has a small hull which must be removed. Add a whole new dimension to your food self-sufficiency with Terra. **BACK!** OT-certified. ① **A**=4g, $1.00, **B**=28g, $3.00, **C**=112g, $7.00

**5964QG Quaking Grass** *Briza maxima* Also known as Totter Grass. An old favorite for floral designers. The large 2½" rattle-like seed heads hang from strong 14-16" stems. ③ **A**=1g, 90¢ (~170 seeds), **B**=5g, $2.20, **C**=15g, $5.00

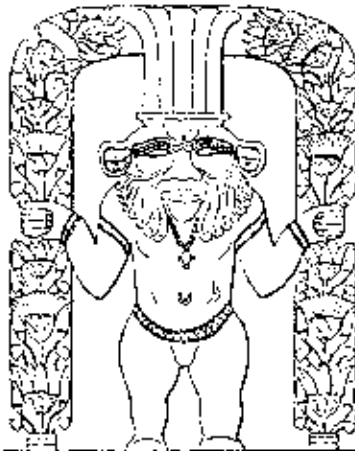
**5972BS Black Sorghum** *S. nigrum* 6-8' plants topped with robust oval black inflorescences. Shorter and earlier than other sorghum varieties which often reach 12'. Sorghum, originally from Africa, is cultured in the South for the sweet syrup of its stalks. In the ornamental trade it is used as the focal point for large arrangements. Harvesting the heads at the right stage is an exact science; gotten too early they are not dark enough, too late they may discolor or shatter. ② **A**=1g, 90¢ (~60 seeds), **B**=4g, $2.20, **C**=12g, $5.00

**5985BH Bravehart Spring Triticale** *Triticum* x *Triticosecale* Developed for floral arrangements by Dr. Hal LeFever at Oregon St. U., who selected for superior disease resistance and adaptation to northern growing conditions. Very decorative and, like Silvertip Wheat which it replaces, a wheat/rye cross. Sets 4-5" brown heads with medium-long awns atop 3' stalks. Skinny kernels. ② **A**=4g, $1.00 (~32 seeds), **B**=20g, $2.50, **C**=60g, $6.00 (8 seeds/g)

**5988MD Mesa Desert Spring Wheat** *T. aestivum* Another introduction by Dr. LeFever, a spring wheat with large sprawling 4-5" tan heads and full very long awns, excellent for arrangments. Started heading in the beginning of August in our observation plot. The grains were so fat that they appeared crowded, jostling for position on their 3' stalks, radiating harvest abundance. Selected for disease resistance and adapted to our cold wet climate. ② **A**=4g, $1.00 (~32 seeds), **B**=20g, $2.50, **C**=60g, $6.00 (8 seeds/g)

**Silvertip Wheat** *T.* x *Triticosecale* Replaced with #**5985** Bravehart. *Not available this year.*

**5995UO Utrecht Blue Wheat OG** *T. spelta* Wheat is the most widely cultivated plant in the world and this may be the world's most beautiful wheat. It hardly matters (except to seed people) that Utrecht Blue is hard to thresh because it is too beautiful to eat and is used instead for wheat weaving and flower arrangements. Features four rows with blue-grey husks and long black awns. OT-certified. ① **A**=4g, $1.20 (~32 seeds), **B**=20g, $5.00 (8 seeds/g), *not available in larger sizes.*



# PERENNIAL FLOWERS

Seeds per packet for flowers are approximate. They are intended as guides, not guarantees, because we pack by weight, not by count. Flowers are arranged here mostly by common name. **See chart on pp. 68-69 for uses and cultural information. A botanical index appears on p. 98.**

For other perennials, see #4407, 4409, 4481, 4512, 4522, 4525, 4550, 4572, 4582, 4584, 4586, 4619, 4659, 4669, 4674, 4681, 4682, 4687, 4690, 4698, 4692, 4699, 5705, 5716, 5799, 5848. Also see our Trees catalog for perennial plant crowns.

**6008CQ Cerise Queen Achillea** *A. millefolium* Also known as Pink Yarrow. Easy to grow and tolerant of drought, heat and poor soil. Beautiful cherry-red flat flower heads 2-4" across on 18" stems with lacy foliage. A good border plant. Feeds many beneficial insects. Needs light to germinate. Start indoors and transplant out. Zones 3-10. ③ **A**=0.1g, $1.00 (~620 seeds), **B**=0.5g, $3.00, **C**=3g, $6.00 (6,200 seeds/g)

**6013RS September Ruby New England Aster** *A. novae-angliae* A cultivated variety of the familiar New England Aster which colors our roadsides in the fall. September Ruby's deep ruby-red rayed petals around yellow centers accent perennial borders in late summer and early autumn. Will bloom first year in the fall. 1-1½" blossoms make good cutflowers, lasting 5-7 days in the vase. 4' tall. Likes sun. Zones 3-8. From Ernst Benary in Germany. ③ **A**=0.03g, $1.00 (~75 seeds), **B**=0.09g, $2.50, **C**=0.36g, $6.00 (2,500 seeds/g)

**6020BB Single Alba Baby's Breath** *Gypsophila paniculata* Lovely as a border plant in masses, bearing many tiny single white flowers. Great filler for bouquets. Useful as an everlasting if cut before fully opened. May be sown direct, do not cover. Likes well-drained soil. Grows to 3'. Zones 4-8. ② **A**=0.7g, 90¢ (~890 seeds), **B**=7g, $2.20, **C**=21g, $5.00 (1,270 seeds/g)

**6021BF Florist Blue Balloon Flower** *Platycodon grandiflorum* Developed specifically for the cutflower trade, this 2½-3½' plant bears long-lasting deep blue rounded star flowers from June to August. Tagged with the name Balloon Flower because the buds look like inflated balloons ready to burst. Species used in Chinese medicine as a principal herb for lung and throat ailments, it is often included in cough formulas, along with licorice. Slow to emerge in spring and will need some support once it does. Taproot can make it tricky to move so avoid planting in wet soil where it will not thrive. Plant in sun to light shade, 12-18" apart. Zones 3-8. **NEW!** ③ **A**=0.1g, 90¢ (~110 seeds), **B**=0.4g, $2.20, **C**=2g, $5.50 (1,100 seeds/g)

**6022BM Panorama Red Shades Bee Balm** *Monarda didyma* A recent cultivar that comes true to color from seed. Bushy clumping 30" perennial bears 1-2 whorls of true-red tubular flowers on each stem from mid to late summer. Also known as Oswego Tea. The Oswego Indians used it for tea and so did the colonial American separatists in their struggles with the British over tea taxes. Used medicinally for its antiseptic and antimicrobial compounds. Attractive to butterflies, hummingbirds and, of course, bees, Monarda can grow in either sun or shade. In shade its bloom time is lengthened but it can be blighted by powdery mildew (which lessens its attractiveness but not its longevity). Direct seed or transplant, surface sow in spring or summer, takes 14 days to germinate. Zones 4-9. ③ **A**=0.02g, $1.00 (~40 seeds), **B**=0.06g, $2.50, **C**=0.24g, $6.00 (2,000 seeds/g)

**6028BC Blue Clips Bellflower** *Campanula carpatica* For constancy, gratitude. Masses of light cobalt blue bellflowers dance 8" high above a tidy mound of foliage. A very hardy perennial that is easy to grow, Blue Clips will bloom in sun or partial shade from June to October. Zones 4-10. ③ **A**=0.05g, $1.00 (~600 seeds), **B**=0.2g, $3.00 (12,000 seeds/g)

**6034BW Butterfly Weed** *Asclepias tuberosa* Also called Pleurisy Root. Native to North America and widely adaptable, this bright sun-loving perennial provides a bold splash of orange from June until frost. Vigorous mounded 2x2' plants bear broad 5" heads of waxy flowers attractive to butterflies. Both the flowers and pointed seedpods are useful for cut arrangements. Native Americans used roots to combat lung and throat troubles and to soothe wounds and sores. Germinates in 3 weeks at 70˚. Choose a permanent site with well-drained fertile sandy soil because its tuberous roots do not like to be disturbed. Direct sow in spring or fall, thinning to 18-24". Cut when at least half the flowers are open. Wear goggles when handling cut Butterfly Weed as the sap can severely irritate the eyes. Exceptionally drought-tolerant. Zones 4-9. ② **A**=0.2g, 90¢ (~40 seeds), **B**=0.6g, $2.20, **C**=3g, $5.00 (200 seeds/g)

**6038PC Persian Catmint** *Nepeta mussinii* While we can't duplicate the lavender fields of Provence in Maine we can achieve similar visuals by planting catmint. Its soft grey-green leaves clothe wiry 1' stems crowned with clusters of lavender-shaded tubular flowers. A member of the mint family, it grows rapidly in rich moist soils, but in sandy drier conditions its vigor can be contained. Plant early for blooms the first year. Thereafter will bloom for six weeks each early spring to summer. Shear plants after blooming to encourage repeat blooms and to diminish self-sowing. Plant in full sun 2' apart. Zones 4-8. ② **A**=0.1g, 90¢ (~120 seeds), **B**=0.3g, $2.20, **C**=1.2g, $5.00, **D**=6g, $12.00 (1,200 seeds/g)

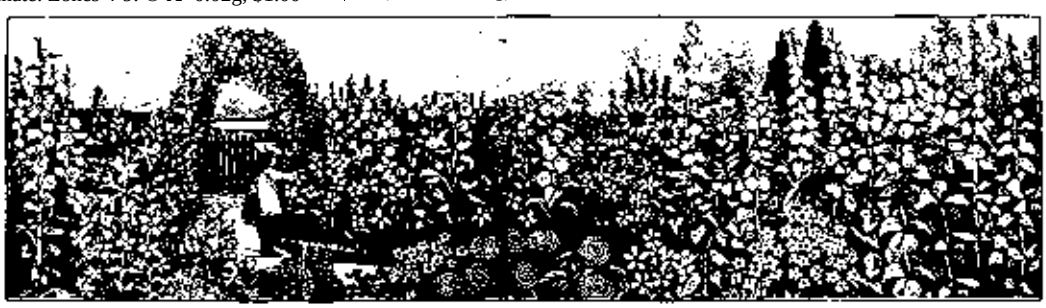
**COLUMBINE**
*Aquilegia spp.*
For hopes and fears. To many, columbines are an essential part of the cottage garden or border. Their spurred flowers in mixed colors lure the fairies into the garden. Like moist well-drained soil, sun or partial shade. Need light to germinate; take 3-4 weeks. Zones 3-10.

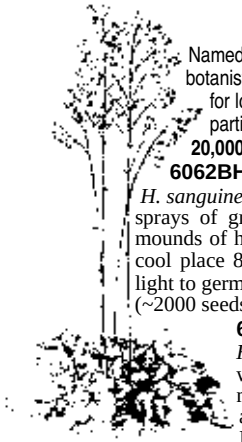
**6042SE Mrs. Scott Eliot Mixed** *A. caerulea* Free-blooming white, red, lavender and pink spurred flowers rising to 30" on strong stems. Pre-chill seed 3-4 weeks. Will bloom 1st season if seeds are sown indoors in early spring. Do not cover. Flowers May and June, attracts hummingbirds. ② **A**=0.6g, $1.00 (~480 seeds), **B**=1.8g, $2.50, **C**=5.4g, $6.00 (800 seeds/g)

**6048EC European** *A. vulgaris* A better landscape plant than Mrs. Eliot or McKana Giants because its leaves remain green through the whole season. Spurless blossoms are mostly pink, with a few purple and white shades. 2½'. ② **A**=0.3g, 90¢ (~240 seeds), **B**=1.2g, $2.20, **C**=6g, $5.00 (800 seeds/g)

**Goldsturm Coneflower** See Rudbeckia, #**6269**.

**6055YP Yellow Prairie Coneflower** *Ratibida columnifera* One of the joys of my job is getting to visit so many gardens. This summer, I was enticed into a field by a yellow fluttering of ballerina flowers dancing on erect 1-3' slender stems. As I approached, I could see that the yellow merely skirted around a protruding chocolate column that contained the clustered small flowers. The common name Mexican Hat—conjuring a sombrero with a drooping brim—seems far too sedentary for this flower, unless you also think of lively dancing around such a hat. Native of the prairie grasslands, likes full sun, blooms May through August, undaunted by drought. Zones 3-9. **NEW!** ② **A**=1g, 90¢ (~1,830 seeds), **B**=4g, $2.20, **C**=16g, $5.00 (1,830 seeds/g)



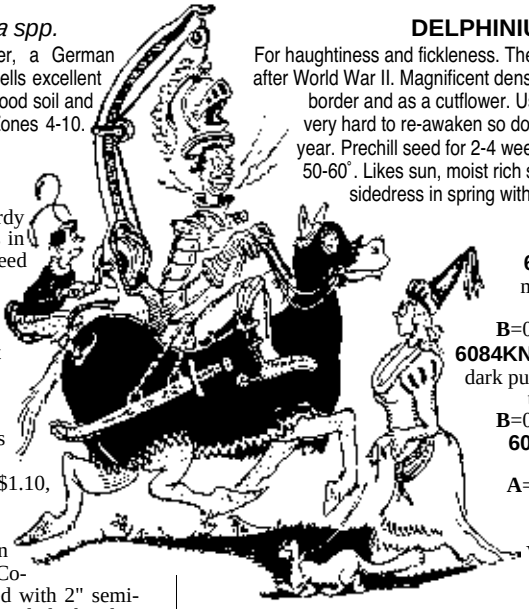


## CORAL BELLS *Huechera spp.*

Named for Johann Heinrich von Heucher, a German botanist. Their compact habit makes coral bells excellent for low borders and rockeries. They like good soil and partial shade, but will tolerate full sun. Zones 4-10. **20,000 seeds/g**.

**6062BH Bressingham Hybrids** *H. sanguinea* Palest pink to deepest crimson sprays of graceful bells rise 18" above hardy mounds of heart-shaped foliage. Start indoors in cool place 8-10 weeks before setting out. Need light to germinate. ③ **A**=0.1g, $1.10 (~2000 seeds), **B**=0.5g, $2.80, **C**=2g, $7.00

**6064PP Purple Palace** *H. micrantha* Striking border plant with showy 6" ivy-shaped mahogany-red leaves makes an attractive ground cover or accent. Its small white bell-shaped flowers are insignificant. Divide and sidedress every three years. Discard the few plants that make green foliage. ③ **A**=0.02g, $1.10, **B**=0.06g, $2.80, **C**=0.18g, $7.00



## DELPHINIUM *x cultorum*

For haughtiness and fickleness. The Pacific Giants were developed in California after World War II. Magnificent dense racemes make delphinium excellent in the border and as a cutflower. Use fresh seed; old seed goes dormant and is very hard to re-awaken so don't order more seed than you can use in one year. Prechill seed for 2-4 weeks, then germinate at 65-75˚ and grow on at 50-60˚. Likes sun, moist rich soil, can tolerate some shade. Heavy feeder; sidedress in spring with well-composted manure. Harvest when one fourth of the flowers are open. Zones 3-7. All types **450 seeds/g.**

**6080AD Astolat Pacific Giant** Pastel mix in lilac, raspberry and rose with dark bees. 6'. ② **A**=0.2g, $1.00 (~90 seeds), **B**=0.6g, $2.50, **C**=1.8g, $7.00 (450 seeds/g)

**6084KN Black Knight Pacific Giant** Intense dark purple with black bees. Stately and breath-taking. 6'. ② **A**=0.2g, $1.00 (~85 seeds), **B**=0.6g, $2.50, **C**=1.8g, $7.00 (400 seeds/g)

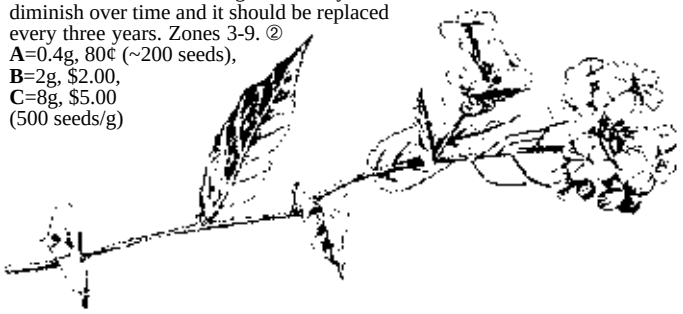
**6088SS Summer Skies Pacific Giant** Light azure-blue with white bees. 6'. ② **A**=0.2g, $1.00 (~85 seeds), **B**=0.6g, $2.50, **C**=1.8g, $7.00 (425 seeds/g)

**6094KR King Arthur Pacific Giant** Velvety royal purple with white bees. 6'. ② **A**=0.2g, $1.00 (~85 seeds), **B**=0.6g, $2.50, **C**=1.8g, $7.00 (425 seeds/g)

**6098CY Connecticut Yankee Mix** Dwarfed version grows only 3'; good where wind is a problem. 1965 AAS in blue, purple, lavender and white. ② **A**=0.25g, $1.40 (~110 seeds), **B**=1g, $5.00, **C**=3g, $12.50 (440 seeds/g)

**6068ES Early Sunrise Coreopsis** *C. grandiflora* Won 1989 AAS for its ability to bloom weeks earlier than other Coreopsis varieties. Dense well-branched 18" plants are loaded with 2" semi-double vivid golden-yellow blooms loved by syrphid flies, lady beetles, lacewings, parasitic wasps and many other beneficials. Start indoors in 8-10 weeks before setting out in sunny spot, spacing 12-18" apart. Do not cover seed. Harvest when flowers are starting to open. Zones 3-10. PVP. ⑤ **A**=0.1g, $1.00 (~40 seeds), **B**=0.3g, $2.50, **C**=0.9g, $6.00 (400 seeds/g)

**6074DR Purple Dame's Rocket** *Hesperis matronalis* A showy old-fashioned cottage garden flower especially esteemed for its heavenly nocturnal fragrance. Upright perennials bear a hazy mass of purple blossoms in late spring to early summer which attract beneficial insects. Good in a shady border or near a patio where their scent can be enjoyed. Start indoors 8-10 weeks before setting out. Need light and 70-85˚ temperatures to germinate in 20-25 days. Like cool, moist, partially shady conditions. We cannot sell to Colorado, Louisiana or Tennesee where it is considered invasive. Pick flowers before they go to seed to lengthen bloom time and reduce invasiveness. Though it is hardy, blooms diminish over time and it should be replaced every three years. Zones 3-9. ② **A**=0.4g, 80¢ (~200 seeds), **B**=2g, $2.00, **C**=8g, $5.00 (500 seeds/g)

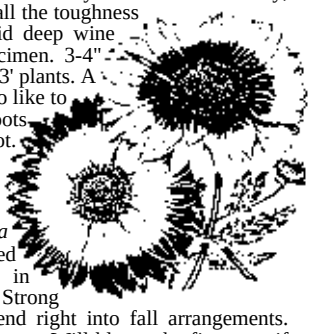


**6110FD Foxy Digitalis** *D. purpurea* Also known as Foxglove. For insincerity. 1967 AAS. A breeding breakthrough allows this biennial to bloom the first season. Foxy starts blooming when only 18" high just five months from seed and continues with up to nine spikes apiece as it grows to a mature 3'. Each spike is covered with dangling thimble-shaped flowers which range from cream yellow to pinks, with attractive interior spotted markings. Stems are short for cutflowers. *Entire plant is poisonous.* Start at 65-70˚ and grow on at 58-62˚ at night. Do not cover the seed. Zones 4-10. ② **A**=0.4g, $1.00 (~4,000 seeds), **B**=2.4g, $2.20, **C**=12g, $5.00 (10,000 seeds/g)

**6120BF Blue Flax** *Linum perenne* subsp. *Lewisii* Also known as Prairie Flax. For domestic industry. Single light-blue flowers with finely cut foliage for borders or rock gardens. New flowers open every morning all summer, fade in afternoon heat. Likes full sun. Very drought tolerant. 9-12". Start indoors in a cool place 6-8 weeks before setting out or direct seed in cool soil in spring or fall. Zones 4-9. ② **A**=1g, 80¢ (~750 seeds), **B**=7g, $2.00, **C**=28g, $5.00

## GAILLARDIA *spp.*

Also known as Blanketflower. For good sense. Low-maintenance bicolor prairie native likes light dry well-drained soil and full sun.



**6128BG Burgundy** *G. aristata* When I first laid eyes on this in a nursery, it stood out from the pack. Burgundy has all the toughness of a native plant enhanced with the solid deep wine color of a sophisticated garden-tour specimen. 3-4" daisy-like flowers bloom all summer on 2-3' plants. A favorite of butterflies and of gardeners who like to bring cutflowers inside. With its prairie roots this is one easy plant to bring home to root. Plant 18-24" apart. Zones 4-10. **NEW!** ③ **A**=0.25g, 90¢ (~70 seeds), **B**=1g, $2.20, **C**=4g, $5.50 (280 seeds/g)

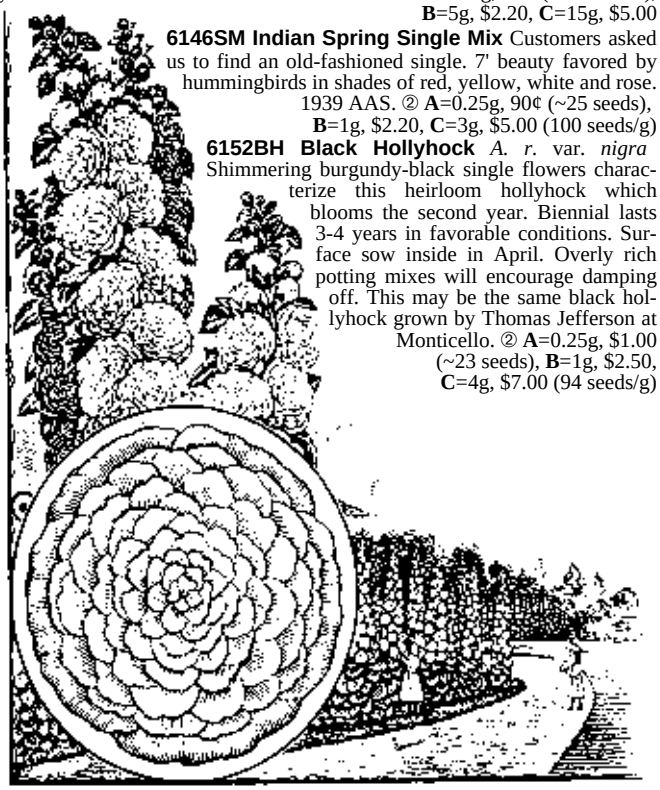
**6130GG Grandiflora Mix** *G. grandiflora* Easily grown perennial sports showy fringed daisy-like flowers of maroon-red edged in gold which will bloom from June to frost. Strong 2½' stems are good for cutting. Will blend right into fall arrangements. Seedheads are as arresting as its lovely blooms. Will bloom the first year if sown early. Zones 3-9. ③ **A**=0.25g, 90¢ (~110 seeds), **B**=1g, $2.20, **C**=4g, $5.50 (440 seeds/g)

**6137SS Summer Sun Heliopsis** *Heliopsis scabra* Also known as Ox Eye and False Sunflower. You've probably seen this showy rugged informal perennial that could almost pass as a sunflower. 3-6' plants bear durable 2-3" golden-yellow semi-double flowers from midsummer till early fall. Bushy habit well-suited for the back of a border. Also able to stand alone to provide a spot of color. Blooms the first year from seed and makes long-lasting cutflowers. Germinates in three weeks at 70˚. Prefers full sun and well-drained soil. Zones 4-8. ② **A**=1g, 90¢ (~200 seeds), **B**=6g, $2.20, **C**=30g, $5.00

## HOLLYHOCK *Alcea rosea*

For ambition. An old-time favorite for background color. Biennial, will reseed in a good year. Needs staking. Cut flower stalk to induce rebloom. Likes full sun, lots of room, and moist soil. Seed may require alternate freezing and thawing to break dormancy. Start indoors in a 70° spot 2 months prior to transplanting. Zones 3-8. Average **115 seeds/g**.

**6140CD Chater's Double Mix** Double flowered in shades of red, pink, yellow and white. Dates back to the 1880s. 4-5'. ② **A**=1g, 90¢ (~115 seeds), **B**=5g, $2.20, **C**=15g, $5.00

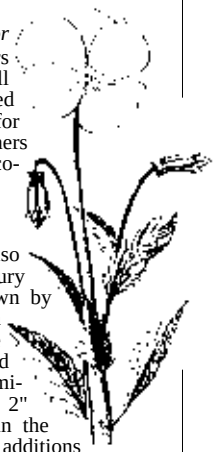


**6146SM Indian Spring Single Mix** Customers asked us to find an old-fashioned single. 7' beauty favored by hummingbirds in shades of red, yellow, white and rose. 1939 AAS. ② **A**=0.25g, 90¢ (~25 seeds), **B**=1g, $2.20, **C**=3g, $5.00 (100 seeds/g)

**6152BH Black Hollyhock** *A. r.* var. *nigra* Shimmering burgundy-black single flowers characterize this heirloom hollyhock which blooms the second year. Biennial lasts 3-4 years in favorable conditions. Surface sow inside in April. Overly rich potting mixes will encourage damping off. This may be the same black hollyhock grown by Thomas Jefferson at Monticello. ② **A**=0.25g, $1.00 (~23 seeds), **B**=1g, $2.50, **C**=4g, $7.00 (94 seeds/g)

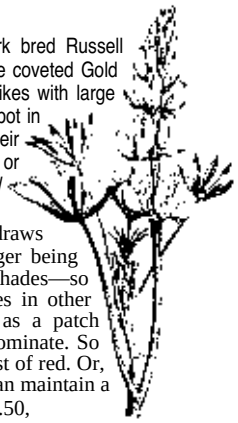
**6160JL Blue Pearl Jacob's Ladder** *Polemonium caeruleum* A staple of the shade garden in cooler climes. Where so few plants flower, Blue Pearl shines! Those sky blue 1-1½" cup-shaped blooms with distinctive gold stamens flower from late spring to early summer except in extreme heat. The compact 1' long-lived plants are ideally planted 1' apart in partially shaded borders, at the edge of woodlands or at the base of small shrubs or roses. Called Jacob's Ladder for the arrangement of parallel leaflets along the stem. Makes a beautiful cutflower, flowering in 3 months from seed. Zones 3-8. **NEW!** ③ **A**=0.1g, 90¢ (~85 seeds), **B**=0.5g, $2.20, **C**=2g, $5.50 (850 seeds/g)

**6170HM Helen Mount Johnny Jump Up** *Viola tricolor* Also known as Heartsease Pansy. This 4-6" favorite bears tricolor blooms in violet, lavender, and canary yellow. Small abundant flowers like partial shade. Can be direct seeded early spring for flowers late in season or sown in fall for earlier blooms the following year. Some call it invasive, others enjoy its cheerful spreading habit. Flowers make edible decorations with a faint wintergreen taste. Zones 3-9. ② **A**=0.5g, 90¢ (~450 seeds), **B**=1.5g, $2.20, **C**=4.5g, $5.00 (900 seeds/g)



**6180BO Blackberry Lily OG** *Belamcanda chinensis* Also known as Leopard Lily. Mentioned in the first-century Chinese *Divine Husbandman's Canon of Herbs* and grown by Thomas Jefferson at Monticello as Chinese Ixia. Neither an Ixia nor a lily, but rather a tough long-lived member of the iris family that has escaped from old gardens and naturalized throughout the countryside. The rhizomes are valued antimicrobials and used in Chinese medicine. Cheery lily-like 2" orange flowers with red freckles open their six petals in the afternoon. Though they last only a day, they make vibrant additions to the flower border, especially in mass plantings. Three-chambered capsules split open to reveal shiny black globular seed clusters that look like tiny blackberries in their dried pods and are highly decorative in winter arrangements. Drought-tolerant sun-lover is easy to grow. Start indoors in a cool place in late winter 6 to 8 weeks before setting out in spring or direct sow outdoors in early spring or late fall while the soil is cool. Can take 30 days or more to germinate. Does best in fertile well-drained sandy humus-rich soil. Needs winter protection in cold areas. Zones 5-10. MOFGA-certified. ① **A**=0.4g, $2.00 (~15 seeds), **B**=1.2g, $5.00, **C**=3.6g, $12.00 (38 seeds/g)

## LUPINE *L. polyphyllus*



For dejection. Lupine fanatic George Russell of York bred Russell Hybrids Choice Mix, introduced it in 1937 and won the coveted Gold Medal from the Royal Horticultural Society. Dense spikes with large flowers in full range of colors. They like a cool moist spot in full sun, preferring sandy soil with ample room for their roots to spread. Can be sown indoors in late winter, or outdoors in early spring or late fall. 3'. *Seeds and seed pods are poisonous.* Zones 4-9. (**35 seeds/g**)

**6184MC My Castle Red Russell** One of the draws of our organic lupine mix (unfortunately no longer being grown for us) was the relative abundance of red shades—so often overshadowed by a preponderance of blues in other mixes. The genetics of lupines are such that, as a patch crosses and self-sows, over time the blues will dominate. So now you can revitalize your patch with a new burst of red. Or, grown separately where they will not cross, you can maintain a solely red patch. **NEW!** ③ **A**=1g, $1.00, **B**=4g, $2.50, **C**=16g, $5.50

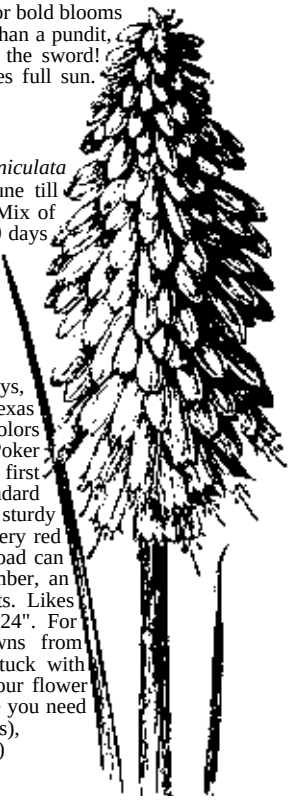
**6186RL Russell Hybrids Choice Mix** Grew mostly purple blooms in our lot grow-out. ② **A**=1.4g, 90¢ (~65 seeds), **B**=7g, $2.20, **C**=28g, $5.00 (46 seeds/g)

**6187LO Russell Hybrids Choice Mix OG** Selected for an interesting mix of colors with a high proportion of reds and an intriguing purple/yellow bicolor. MOFGA-certified. ① **A**=1g, $1.30 (~25 seeds), *not available in larger sizes.*

**6196MP Maiden Pink** *Dianthus deltoides* Known as pinks, not for their color but for their petal tips, serrated as if cut by pinking shears. Dense green mat of 6" plants topped with flowers which bloom all summer in a mix of bright red, purple magenta, pink, and white with a red ring. Likes sun, well-drained to dry soil. Zones 2-10. ③ **A**=0.05g, $1.00 (~275 seeds), **B**=0.2g, $2.50, **C**=1g, $9.00 (5,500 seeds/g)

**6204MC Maltese Cross** *Lychnis chalcedonica* For wit. Desirable 3' border plant attracts hummingbirds and butterflies and is excellent for cutflowers. Produces brilliant scarlet florets, each flower a five-part cross. Makes a hot color combination with Rudbeckia and Gaillardia. Thomas Jefferson grew these at Monticello in 1807. Start indoors in early spring or midsummer for blooms next year. Do not cover seeds. Likes moist soil and full sun. Zones 3-10. ② **A**=0.4g, 90¢ (~800 seeds), **B**=2g, $2.20, **C**=6g, $5.00 (2,000 seeds/g)

**6210RM Iron Maiden Penstemon** *P. barbatus* I don't know why someone had the bad taste to give this beautiful plant so gruesome a name that conjures images of "extraordinary rendition" and other atrocities perpetrated by the administration and permitted by the Congress. However, this is not a device to contravene the Geneva Convention, it is a lovely perennial cutflower which sends up bright scarlet tubular flowers on tall slender spikes above lance-shaped leaves. Hummingbirds love these late-summer blossoms. Maybe its name is in honor of its bold color which is not for the faint of heart. Methinks 'tis the time for bold blooms and bold words: I would fain be a gardener than a pundit, so may the Penstemon prove mightier than the sword! Sow indoors late winter to mid spring. Likes full sun. Drought-tolerant. Zones 4-9. **NEW!** ③ **A**=0.2g, $1.20 (~110 seeds), **B**=0.8g, $4.00, **C**=4g, $12.00 (550 seeds/g)



**6234PH New Hybrids Mix Phlox** *P. paniculata* F-1 hybrid. Perennial phlox blooms from June till frost. Excellent for borders and cutflowers. Mix of white, pinks, reds and lilacs. Freeze seeds 10 days before sowing indoors, or direct seed in cold soil. Slow germinator, takes 3-4 weeks. Likes full sun. 3'. Zones 3-9. ③ **A**=0.1g, $1.00 (~11 seeds), **B**=0.3g, $2.50, **C**=0.9g, $6.00 (111 seeds/g)

**6240RP Flamenco Red Hot Poker** *Kniphofia uvaria* Poker is red hot these days, thanks mostly to the popularity of Texas Hold'em. If you get your thrills from hot colors rather than hot hands, consider this Red Hot Poker which is no gamble at all. It will flower the first year up to four weeks earlier than other standard varieties, setting spectacular 8" spikes atop sturdy 32" stems, in a riot of yellow, orange and fiery red tubular flowers. A field of these along the road can take your breath away. Blooms July-September, an unusual addition to cut flower arrangements. Likes well-drained sunny locations. Space at 18-24". For overwintering, mulch to protect the crowns from moisture and heaving. AAS. Zones 5-9. Stuck with aces and eights (the dead man's hand) in your flower garden? Flamenco just might be the third ace you need to fill that patch. ③ **A**=0.04g, $1.00 (~18 seeds), **B**=0.12g, $2.50, **C**=0.36g, $6.00 (450 seeds/g)

**6244GG Gartford Giants Mix Poppy** *Papaver nudicaule* Known as Iceland Poppy. For fantastic extravagance. Delicate white, yellow, gold, apricot, orange blossoms from May to frost. Direct seed in spring in a sunny spot. Germinates in 7-12 days at 65-75˚. Do not cover the seed. Does not perform well in heat. 1'. Zones 2-8. ② **A**=0.4g, 90¢ (~2,450 seeds), **B**=4g, $2.20, **C**=12g, $5.00 (6,125 seeds/g)

**6254AP Dwarf Allegro Oriental Poppy** *P. orientale* Long-lived perennial grows 16". Fern-like fuzzy leaves, showy buds open to dazzling scarlet flowers with contrasting black eyes. Sow in June, transplant in October for flowers the following summer. Plant alongside border perennials and ornamental grasses. Zones 2-8. ③ **A**=0.05g, $1.00 (~250 seeds), **B**=0.2g, $2.50, **C**=0.6g, $7.00 (5,000 seeds/g)

**6266QO Queen of the Meadow OG** *Eupatorium purpureum* Also known as Joe Pye Weed or Gravel Root. A "queenly" native: stately, tall and beautiful, with dense florets of dusty pinkish-purple flowers and foliage that releases the scent of vanilla when crushed. At 5-9' tall, it makes an impressive background plant and a good cutflower. Medicinally, the root is used to treat chronic irritable bladder, urinary infections, kidney stones, menstrual cramps and prostate infections. Also stimulates circulation and reduces inflammation. Does best in moist well-drained areas, full sun or part shade. Surface sow in spring or fall; needs stratification unless sown in fall; takes 3 weeks to germinate; direct seed or transplant. Zones 4-9. WA-certified. ① **A**=0.02g, $1.10 (~56 seeds), **B**=0.1g, $3.00, **C**=0.4g, $6.00 (2,809 seeds/g)

**6269GS Rudbeckia Goldsturm** *R. fulgida* Domesticated counterpart of the beloved Black-Eyed Susan and 1999 Perennial Plant of the Year, Goldsturm Coneflower offers a profusion of shining golden-yellow flowers with dark central cones in August and September. Hardy perennial transplants well and has much larger flowers—up to 5" across—than its wild counterpart. The 2' plants have long strong stems ideal for cutting. Likes sunny, well-drained locations. Start indoors 8-10 weeks before last frost. Do not cover the seed. Germinates in 14-21 days at 70˚. Transplant after danger of frost, spacing 12-18" apart. Zones 3-10. ③ **A**=0.1g, $1.00 (~110 seeds), **B**=0.4g, $2.50, **C**=1.2g, $6.00 (1,105 seeds/g)

**6272SD Alaska Strain Shasta Daisy** *Chrysanthemum* x *superbum* Shasta Daisy was the first man-made flower, hybridized by the legendary Luther Burbank. (Burbank, incidentally, advised that men should stop fighting among themselves and start fighting insects.) His daisy looks good with Gaillardia and Coreopsis. The clean white flowers with bright yellow centers make good cutflowers and border plants for sunny locations. One of the easiest perennials to grow; will usually bloom first year if started indoors in spring and transplanted when soil warms. 3'. Zones 4-10. ② **A**=0.5g, 80¢ (~375 seeds), **B**=4g, $2.00, **C**=16g, $5.00 (750 seeds/g)

**6274CD Crazy Daisy** *Leucanthemum* x *superbum* We're crazy for this Shasta Daisy because its quilled petals make it unlike any other in its class. Almost all of the 2½-3" creamy white blossoms are fully double and reminded us of dahlias. Bloomed its second year for Donna Dyrek starting on July 6 and put on a good show for nearly a month. The later blossoms were less doubled, showing the small yellow centers more. Required no protection to overwinter in Central Maine, but mulching is recommended for cold areas. 24-28" plants like a well-drained location in full sun. Need a cold period and long days to initiate bloom. Add some of these fluffies to your mixed bouquets. Zones 4-10. ③ **A**=0.1g, $1.00 (~90 seeds), **B**=0.3g, $2.50, **C**=1.2g, $6.00 (900 seeds/g)

**Silkweed** *Asclepias incarnata* Dropped for slow sales. *Not available this year.*

**6282SZ Helena Mix Sneezeweed** *Helenium autumnale* Also known as Sunny Bride. Supposedly used for snuff in earlier times, hence its common name. A rich chromatic scale of bronze, brown, crimson and yellow shades for an end-of-summer display. Single flowers resemble Coreopsis but have a large center "button" like coneflower and cover the tops of branching upright 4-5' plants. Combine with asters and phlox for great late-season color. Not fussy, easy to grow, excellent for cutting. At its prime when most perennials have finished blooming. Generally a low germinator; needs 2-3 weeks. Zones 3-10. ③ **A**=0.1g, $1.00 (~500 seeds), **B**=0.3g, $2.50, **C**=0.9g, $7.00 (5,000 seeds/g)

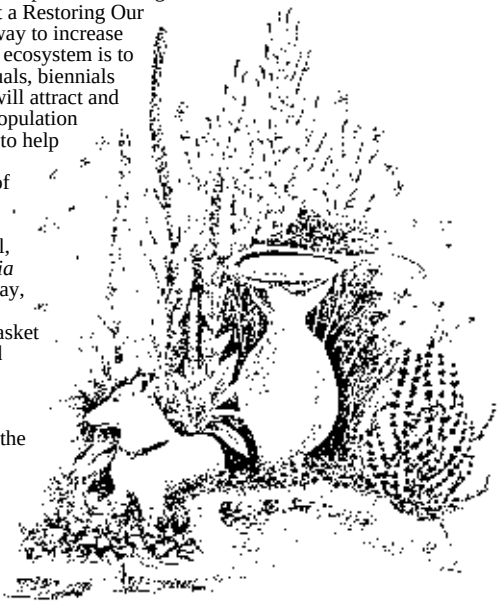
**6296PP Perennial Sweet Pea** *Lathyrus latifolius* The traditional English cottage sweet pea, grown by Jefferson in 1771, thrives in cool climates, loves sun, climbs 6' and is useful as a screen. Comes in shades of rose, white and pink in big clusters. Good cutflowers. Soak seeds up to 24 hours before sowing outdoors in early spring. Can take 3-4 weeks to germinate. Zones 3-10. ② **A**=1g, 90¢ (~20 seeds), **B**=3g, $2.20, **C**=12g, $5.00 (20 seeds/g)

**6306SW Double Choice Mix Sweet William** *Dianthus barbatus* For gallantry. A fragrant self-sowing biennial in red, pink, white, lavender or mixed colors. Germinates in 7-14 days at 70˚. May be started 2 months before setting outdoors, or direct seeded in late summer or fall. Requires full sun and good drainage, likes lime. 18". Zones 4-10. ② **A**=0.5g, 80¢ (~470 seeds), **B**=7g, $2.00, **C**=28g, $5.00 (938 seeds/g)

**6316CT Creeping Thyme** *Thymus serpyllum* Also known as Mother-of-Thyme or Brotherwort (not to be confused with Motherwort!). Creeping sweet-scented ground cover with purple flowers good in rock gardens, between stepping stones, or on dry slopes. Likes good drainage, full sun and alkaline soil. Plants grow slowly from seed, may be started indoors 2 mos. before planting, or outside in early spring or fall where they will grow. Sow thickly, do not cover seeds. 2". Zones 3-10. ③ **A**=0.1g, 90¢ (~630 seeds), **B**=1g, $2.20, **C**=3g, $5.00, **D**=30g, $30.00 (6,289 seeds/g)

**6326SV Sightseeing Mix Veronica** *V. spicata* Also known as Speedwell. A wonderful mix of pink, white and blue-violet flowers—glorious when they're all blooming together. Growing uniformly to 2-2½' with erect pointed spikes, makes a great border, also a superb cutflower. Will bloom the first year if started early indoors. Stems on initial blooms are short; subsequent blooms have longer stems. One customer compares it to the Energizer Bunny that just keeps going and going and going. Germinates 10-14 days at 68-72˚; cover the seed lightly. Grow on at 55-65˚. Harvest when nearly half the flowers are open. Zones 3-8. ③ **A**=0.02g, $1.00 (~200 seeds), **B**=0.06g, $2.20, **C**=0.18g, $5.00 (10,000 seeds/g)

**6333BM Beneficials Mix** *Melangus perplexus* (Spurious botanical name courtesy of your intrepid copywriter.) "When you increase the diversity of an ecosystem you enhance its ability to maintain itself and to resist perturbation." Frank Morton inspired 75 seed growers with his talk on Whole Farm Cropping Systems at a Restoring Our Seed seminar. One way to increase the diversity of your ecosystem is to sow this mix of annuals, biennials and perennials that will attract and maintain a diverse population of beneficial insects to help manage pests in the garden. Comprised of alyssum, bachelor button, borage, gem marigold, dill, fennel, *Phacelia tanacetifolia* or fiddleneck, caraway, parsley, golden marguerite, ajuga, basket of gold alyssum, and Rocky Mountain penstemon, this mix should be planted as a hedgerow close to the garden. Instead of resorting to toxic sprays, attract hover flies, ladybugs, lacewings, parasitic wasps, tachnids, spiders, minute pirate bugs, damsel flies and big-eyed bugs and let them devour the "bad" bugs! Something will be blooming from spring through fall. Plant in spring in full sun in a well-prepared weed-free seedbed. Should any variety become unavailable we will substitute one with similar efficacy. A big hit with our customers since its 2004 introduction. ③**A**=1.4g, $1.60, **B**=7g, $7.00, **C**=28g, $18.00, **D**=112g, $70.00



**6336WF Wildflower Mix** for the Northeast. A blend of 21 perennial and self-sowing annual species native to or naturalized in northeast U.S. and Canada. Includes Dame's Rocket, Black-Eyed Susan, Shirley Poppy, Blazing Star and Bachelor's Button. Broadcast in spring or fall in a well-prepared weed-free seedbed in a sunny spot. Seed at a rate of 1 lb/4500 sq. ft. We sold 35 lb. last year. **A**=1.4g, 80¢ (~3,000 seeds), **B**=7g, $2.20, **C**=28g, $6.00, **D**=1lb, $38.00 (2,143 seeds/g)

## DISCOUNTED SPECIALS

The descriptions explain our reasons for carrying and then dropping these cultivars. We know you love bargains and we hate to disappoint you. We run out of most discounted specials during our late January rush. Please order early.

**6402BH Burpee Hybrid Muskmelon** (88 days) *Cucumis melo* These musky succulent 3-4 lb. fruits have been the choice of discerning market growers for more than fifty years. Fruits heavily netted with distinctive ribbing and delectable orange flesh. Ripe at full slip. Tolerant to PM. Seminis variety. *Hurry, only 36 packets left, will be gone by end of January!* ⑥ **A**=1g, $2.40 (~40 seeds),

**6404CB Cool Breeze Cornichon Cucumber** (49 days) *C. sativus* F-1 hybrid, parthenocarpic, requiring no bees for pollination. This French cornichon type acts like it's on steroids, just pumping out the dark green seedless 4" fruits with small spines. These are best harvested finger-size for gherkins or allowed to grow slightly larger for salads. Hurry, we have only 39 packets left with a 92% germination rate. Seminis variety. Resistant to CMV, PM and scab. ⑥ **A**=1/16oz, $1.40 (~62 seeds).

**6412BO De Morges Braun Lettuce OG** (64 days) *Lactuca sativa* We owe our awareness of this unique shimmery lettuce to M. Schultz. As it matures, it grows upright like a romaine, its centers forming a green contrast to the pink outer leaves. Its texture and taste are as noteworthy as its color—smooth, buttery and not at all bitter. De Morges grows slowly and is one of the last to bolt. Our trialer called it the "bronze beauty." Crop failure this year. 37 packets left at 83% germ won't last long. MT-certified. ① **A**=1g, 80¢.

**6418FH Full-Heart Batavian Endive** (85 days) *Chicorium endivia* Open-pollinated. We substituted this when Broad-Leaved Batavian was not available. We have plenty of seed left at 88% germ. ⑤ **A**=1/16oz, 50¢, **B**=1/8oz, 80¢, **C**=1/2oz, $1.40

**6422TO Mark Twain Tomato OG** (85 days) *Lycopersicon esculentum* Ind. Good-sized crack-free smooth solid red fruits with deep red interior color and full-bodied flavor. Quite soft, slighly flattened 8-16 oz. globes won't take a lot of handling. A little late but worth the wait, with heavy September production. Crop failure. We have about 70 packets carried over at 86% germination. MOFGA-certified. ① **A**=0.2g, $1.00 (~110 seeds).

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Co-op Seed Packers

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Fedco Seeds
PO Box 520
Waterville, ME 04903-0520


address service requested

Presorted Standard
U.S. Postage
PAID
Fedco Seeds Inc.

from mailing label: CC-_____

Farm or Group Name _____

**Deliver to**: Name _____

for US Mail _____

Town _____ St _____ Zip _____

for UPS (include road name) _____

Town _____ St _____ Zip _____

phone _____

Deadline for mail and fax orders 3/23/07
Deadline for ordering online 8/31/07



# Fedco Seeds 2007

PO Box 520
Waterville ME 04903
fax (207) 872-8317

## Order Items 1-6499, pages 11-98 only

**for books, cover crops & supplies use the OGS order form, p. 70E**

Start with #1. Skip spaces only for crossouts.

| ex | 3999EX | A | 2 | 0.00 |
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| | Catalog Number | Size Letter | # of Pkts | Total | | Catalog Number | Size Letter | # of Pkts | Total | | Catalog Number | Size Letter | # of Pkts | Total |
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Column 1 _____ Column 2 _____ Column 3 _____

**Delivery Options:** ✔ **check one only**
**UPS/Priority Mail** ❑ **order by 3/23**
**Pickup:** ❑ **order by 3/23**

| **See substitution policy on p. 70** | Yes | No |
|---|---|---|
| **Will you accept substitutions?** | ❑ | ❑ |
| **Will you accept commercial for organic seed?** | ❑ | ❑ |
| **Are you a market grower?** | ❑ | ❑ |
| **Is this your 1st seed order from the 2007 catalog?** | ❑ | ❑ |

Order online: **www.fedcoseeds.com**

**Volume Discounts**
10% over $100
15% over $200
20% over $300
22% over $600
24% over $1000

❑ Donate all my refund to MOFGA
❑ up to $5.00
❑ up to $2.00

We accept Visa or MasterCard

Exp. Date

| | |
|---|---|
| **page 70A** | |
| **page 70B** | + |
| **Subtotal** | = |
| **Mainers and pickups only 5%Sales Tax** | + |
| **Adjusted Total** | = |
| **Deduct Volume Discount** | - |
| **Deduct 5% if picked up** | - |
| **Deduct 1%** organic growers discount | - |
| Add **$4** if Adjusted Total for Seeds is under **$25** | + |
| Add **$2** if you **fax** your order | + |
| **Order Total** | = |
| Center for Food Safety donation (see p. 7) | + |
| MOFGA or NOFA memberships | + |
| **Grand Total** | = |

Make checks payable to **Fedco**

**Final deadline for this form 3/23/07**
**Order online until 8/31/07**

If you need more blanks, please photocopy, download from our website, fedcoseeds.com, or call 207-873-7333 for another copy.

# Fedco Seeds 2007 items 1-6499, pages 11-98 only



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Column 6

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